abcam

ab6728

Rabbit Anti-Mouse IgG H&L (HRP)

Rabbit anti-Mouse IgG H&L (HRP) (ab6728) is a horseradish peroxidase (HRP) conjugated secondary antibody suitable for both chemiluminescent and chromogenic detection. Ideal for Western blot, ELISA and IHC applications.

- Proven performance: cited in over 1300 publications

Key facts

Description	Rabbit Anti-Mouse IgG H&L (HRP)
Host species	Rabbit
Target species	Mouse
Target isotype	IgG
Target specificity	Heavy & Light chains
Conjugation	HRP
Applications	ELISA, IHC-Fr, IHC-P, WB
Clonality	Polyclonal
Pre-adsorbed	No
Isotype	IgG
Concentration	2 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Application	ELISA
Reactivity	Reacts
Dilution info	1/50000 - 1/300000

Notes	-

Application	IHC-Fr
Reactivity	Reacts
Dilution info	-
Notes	-

Application	IHC-P
Reactivity	Reacts
Dilution info	-
Notes	-

Application	WB
Reactivity	Reacts
Dilution info	1/10000 - 1/30000
Notes	-

Properties

Form	Liquid
Storage buffer	Preservative: 0.01% Gentamicin sulphate Constituents: 1% BSA, 0.88% Sodium chloride, 0.424% Potassium phosphate solution
Purification technique	Affinity purification
Purification notes	HRP Secondary Antibody Conjugate was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgG coupled to agarose beads.

Target data

See full target information Ighg1

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C

Appropriate long-term storage conditions	+4°C

Notes

Many of our customers have reported seeing brown precipitates in the vials. The brown precipitates are very common with HRP conjugated antibodies; we suggest vortexing the vial and using this antibody as normal. Our customer's feedback says the antibody worked great. If in case the antibody fails to give results then please contact our Scientific Support team for assistance.

When it comes to advancing your immunohistochemistry (IHC) research, Abcam offers a comprehensive suite of IHC kits and secondary antibodies, designed to deliver precise and reliable results.

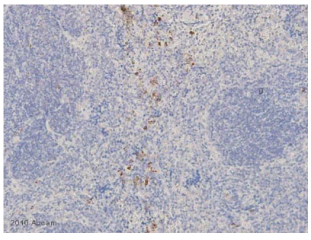
Product promise

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

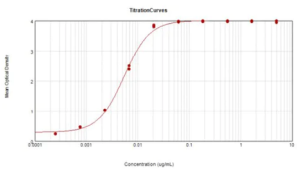
21 product images



This image is courtesy of an anonymous customer review.

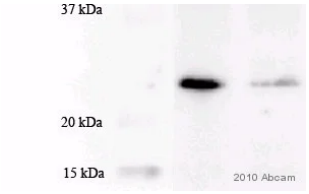
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

ab81785 staining LC3A/B in Mouse kidney tissue sections by Immunohistochemistry (IHC-P - formaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 5% protein block for 5 minutes at room temperature; antigen retrieval was by heat mediation. Samples were incubated with primary antibody (1/50) for 1 hour. Anti-mouse HRP (ab6728) (1/200) was used as the secondary antibody.



ELISA - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

ELISA results of ab6728 against purified Mouse IgG protein. Each well was coated in duplicate with 10 µg of Mouse IgG. The starting dilution of antibody was 5 µg/ml and the X-axis represents the Log10 of a 3-fold dilution. The titer is 1/185,000. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% fish gelatin as blocking buffer and TMB substrate.



This image is courtesy of an anonymous customer review

Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

Blocking Step: 5% BSA for 1 hour at 23°C
This image was generated from the hybridoma version.

All lanes:
Western blot - Anti-MGMT antibody [MT3.1] (ab39253) at 1/500 dilution

All lanes:
Human OE33 cells - whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/1000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 22 kDa

Observed band size: 21 kDa

Exposure time: 30s



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

All lanes:
Western blot - Anti-PLK1 antibody [36-298] (ab17057) at 1 µg/mL

All lanes:
HEK-293 (Human epithelial cell line from embryonic kidney) cell lysate at 20 µg

Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/5000 dilution

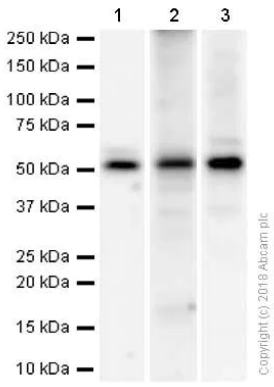
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 68 kDa

Observed band size: 66 kDa

Exposure time: 2min



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

Blocking and diluting buffer: 5% NFDM/TBST.
Exposure time: Lane 1: 30 seconds
Lane 2: 70 seconds
Lane 3: 50 seconds

All lanes:
Western blot - Anti-TXNIP antibody [EPR14774] - Mouse IgG2b (Chimeric) (ab210826) at 1/1000 dilution

Lane 1:
HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates at 15 µg

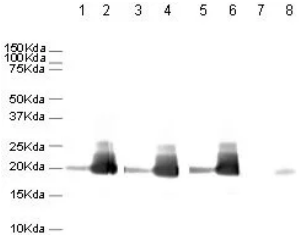
Lane 2:
NIH/3T3 (Mouse embryonic fibroblast) whole cell lysates at 15 µg

Lane 3:
PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysates at 15 µg

Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/2000 dilution

Predicted band size: 44 kDa



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

This data was developed using the same antibody clone in a different formulation containing PBS and Azide (ab14955).
All lanes:
Western blot - Anti-Histone H3 (phospho S10) antibody [mAbcam 14955] (ab14955) at 0.5 µg/mL

Lane 1:
Control HeLa Histone prep at 5 µg

Lane 2:
Colecemid treated HeLa Histone prep at 5 µg

Lane 3:
Control HeLa Histone prep at 5 µg with Human Histone H3 (unmodified) peptide (ab7228)

Lane 4:
Colecemid treated HeLa Histone prep at 5 µg with Human Histone H3 (unmodified) peptide (ab7228)

Lane 5:
Control HeLa Histone prep at 5 µg with Human Histone H3 (phospho S28) peptide (ab14793)

Lane 6:
Colecemid treated HeLa Histone prep at 5 µg with Human Histone H3 (phospho S28) peptide (ab14793)

Lane 7:
Control HeLa Histone prep at 5 µg with Human Histone H3 (phospho S10) peptide (ab11477)

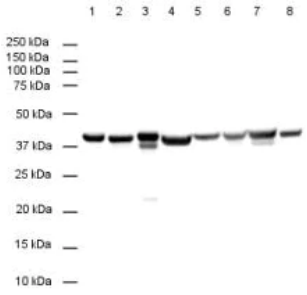
Lane 8:
Colecemid treated HeLa Histone prep at 5 µg with Human Histone H3 (phospho S10) peptide (ab11477)

Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/5000 dilution

Predicted band size: 15 kDa

Observed band size: 20 kDa



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

The membrane was blocked in 5% BSA in TBST for 1 hour, then incubated for 1 hour in primary antibody diluted in TBST.
All lanes:
Western blot - Anti-GAPDH antibody [mAbcam 9484] - Loading Control (ab9484) at 1/5000 dilution

Lane 1:
Hela whole cell (Human)

Lane 2:
3T3 cell (Mouse)

Lane 3:
Rat brain

Lane 4:
Xenopus laevis embryo

Lane 5:
Chicken Liver

Lane 6:
EBTr cell (Cow)

Lane 7:
CHO cell (Chinese hamster)

Lane 8:
Pig liver

Secondary

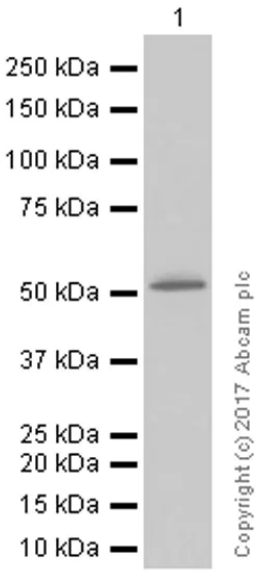
All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/5000 dilution

Performed under reducing conditions.

Predicted band size: 36 kDa

Observed band size: 40 kDa

Exposure time: 10s



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

Blocking and diluting buffer: 5% NFDM/TBST
All lanes:
Western blot - Anti-ERG antibody [EPR3864] - Mouse IgG2b (Chimeric) (ab214341) at 1/5000 dilution

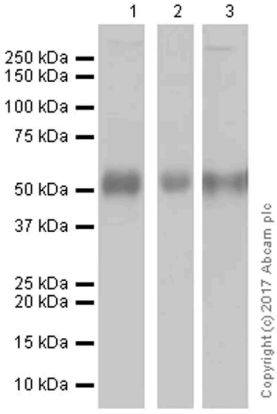
All lanes:
HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates at 15 µg

Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/2000 dilution

Predicted band size: 54 kDa

Observed band size: 55 kDa



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

Blocking and diluting buffer: 5% NFDM/TBST
All lanes:
Western blot - Anti-ERG antibody [EPR3864] - Mouse IgG2b (Chimeric) (ab214341) at 1/1000 dilution

Lane 1:
Rat heart lysates at 20 µg

Lane 2:
Rat brain lysates at 20 µg

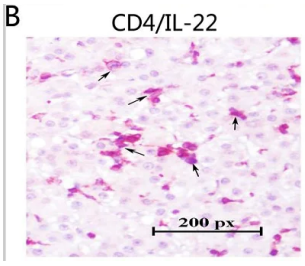
Lane 3:
Mouse brain lysates at 20 µg

Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/2000 dilution

Predicted band size: 54 kDa

Observed band size: 55 kDa



Gao et al PLoS One. 2016 Apr 28;11(4):e0154419. doi: 10.1371/journal.pone.0154419. eCollection 2016.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

Distribution, expression and correlation of IL-22 cells with liver fibrosis in the liver.
Immunohistochemistry double staining identities IL-22 cells were produced by CD4 cells in liver tissue (Panel B).

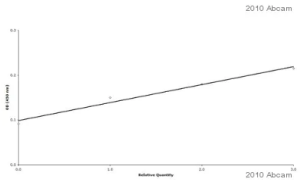
Black arrows indicate double-positive cells.

Paraffin-embedded, formalin-fixed human liver tissues were incubated with anti-IL-22 (ab18499) or α-SMA antibody (ab7817) overnight at 4°C followed by heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, 0.1 mol/L) for 20mins and blocking endogenous peroxidase activity with 0.3% H_2O_2. Revelation of primary antibody was carried out using horseradish peroxidase

Fig2. Reproduced under the Creative Commons license http://creativecommons.org/licenses/by/4.0/

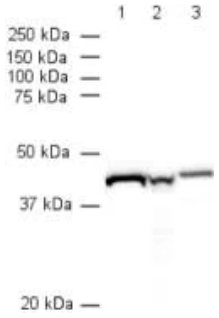
(HRP)-conjugated rabbit polyclonal anti-mouse (ab6728), secondary antibody followed by diamino-benzidine (DAB) and haematoxylin coloration. Double staining was performed with 3-amino-9-ethyl-carbazole (red color) for IL-22 and BCIP/ NBT (indigo color) for CD4.

Positively stained cells were counted at high-power field (hpf, ×400) according to described protocols.



ELISA - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

ab6728 was used at dilution 1/1000 with the primary antibody ab11038 in ELISA. See the review on ab11038.



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

Note: although *S. cerevisiae* is not known to express beta Actin, Abcam believes that the band on lane 3 corresponds to Actin 1 (Swissprot ID: P60010, based on sequence similarity).

Secondary antibody - rabbit anti-mouse HRP (ab6728)

All lanes:
Western blot - Anti-beta Actin antibody [mAbcam 8224] - Loading Control (ab8224) at 1 µg/mL

Lane 1:
Drosophila lysate at 20 µg

Lane 2:
S. pombe lysate at 20 µg

Lane 3:
S. cerevisiae lysate (Actin 1 - please see note) at 20 µg

Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 41 kDa

Observed band size: 42 kDa

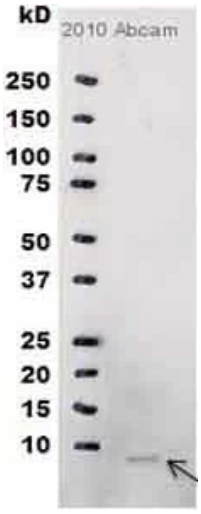


Image courtesy of an anonymous customer review.

Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

Primary antibody incubated for 16 hours at 4°C.
Blocking step performed using 5% milk for 1 hour at room temperature.
All lanes:
Western blot - Anti-M13 Bacteriophage Coat Protein g8p antibody [RL-ph2] (ab9225) at 1/1000 dilution

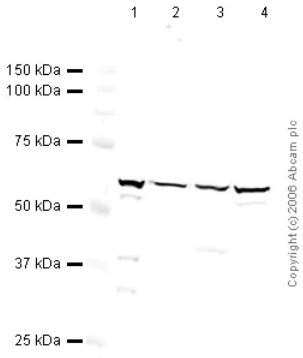
All lanes:
whole cell lysate prepared from XL10Gold cells at 50 µg

Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/2000 dilution

Predicted band size: 8 kDa

Observed band size: 6 kDa



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

Lane 1:
Marker

Lanes 2 - 5:
Western blot - Anti-hnRNP K antibody [F45 P9 C7] (ab23644) at 1 µg/mL

Lane 2:
HeLa (Human epithelial carcinoma cell line) Nuclear Lysate (ab27251) at 20 µg

Lane 3:
HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate (ab27252) at 20 µg

Lane 4:
Western blot - Jurkat whole cell lysate (ab7899) at 20 µg

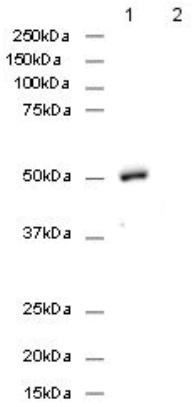
Lane 5:
Western blot - HEK-293 whole cell lysate (ab7902) at 20 µg

Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 50 kDa



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

All lanes:
Western blot - Anti-FOXP3 antibody [mAbcam 450] - Mouse IgG3 (ab450) at 1 µg/mL

Lane 1:
HEK293 cells overexpressing human FOXP3 at 20 µg

Lane 2:
HEK293 cells overexpressing human FOXP3 at 20 µg with Human FOXP3 peptide (ab16809)

Secondary

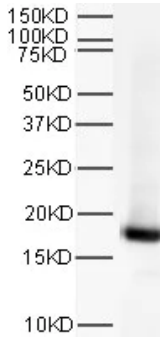
All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/5000 dilution

Performed under reducing conditions.

Predicted band size: 47 kDa

Observed band size: 50 kDa

Exposure time: 45s



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

All lanes:
Western blot - Anti-Histone H3 antibody [mAbcam 24834] - Nuclear Loading Control and ChIP Grade (ab24834) at 1 µg/mL

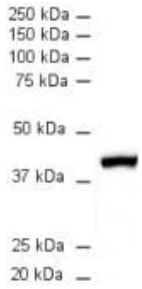
All lanes:
HeLa histone prep at 1 µg/mL

Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/5000 dilution

Predicted band size: 15 kDa

Observed band size: 18 kDa



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

ab8224 used on Xenopus embryo lysate (20 ug of lysate/lane).

Secondary
Rabbit polyclonal anti-mouse HRP was used as the secondary antibody (ab6728) and developed using the ECL technique.
Performed under reducing conditions.

Predicted band size : 42kD
All lanes:
Western blot - Anti-beta Actin antibody [mAbcam 8224] - Loading Control (ab8224)

All lanes:
Xenopus embryo lysate at 20 µg

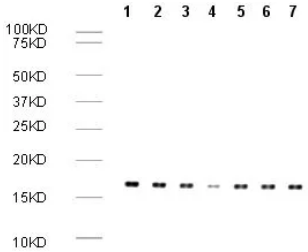
Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 41 kDa



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

All lanes: Anti-Histone H3 (di methyl K9) antibody [mAbcam 1220] - ChIP Grade (ab1220)
Lane 1: Calf thymus histone lysate
Lane 2: Calf thymus histone lysate with Histone H3 peptide - unmodified at 1 µg/ml
Lane 3: Calf thymus histone lysate with Human Histone H3 (mono methyl K9) peptide (ab1771) at 1 µg/ml
Lane 4: Calf thymus histone lysate with Human Histone H3 (di methyl K9) peptide (ab1772) at 1 µg/ml
Lane 5: Calf thymus histone lysate with Human Histone H3 (tri methyl K9) peptide (ab1773) at 1 µg/ml
Lane 6: Calf thymus histone lysate with Histone H3 (di methyl K4) peptide (ab7768) at 1 µg/ml
Lane 7: Calf thymus histone lysate with Human Histone H3 (di methyl K27) peptide (ab1781) at 1 µg/ml

Secondary
Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/5000 dilution
developed using the ECL technique

Performed under reducing conditions.

Predicted band size: 17 kDa

Exposure time: 1 minute

All lanes:
Western blot - Anti-Histone H3 (di methyl K9) antibody [mAbcam 1220] - ChIP Grade (ab1220) at 1 µg/mL

Lane 1:
Calf thymus histone lysate

Lane 2:
Calf thymus histone lysate with Histone H3 peptide - unmodified

Lane 3:
Calf thymus histone lysate with Human Histone H3 (mono methyl K9) peptide (ab1771)

Lane 4:
Calf thymus histone lysate with Human Histone H3 (di methyl K9) peptide (ab1772)

Lane 5:
Calf thymus histone lysate with Human Histone H3 (tri methyl K9) peptide (ab1773)

Lane 6:
Calf thymus histone lysate with Human Histone H3 (di methyl K4) peptide (ab7768)

Lane 7:
Calf thymus histone lysate with Human Histone H3 (di methyl K27) peptide (ab1781)

Secondary

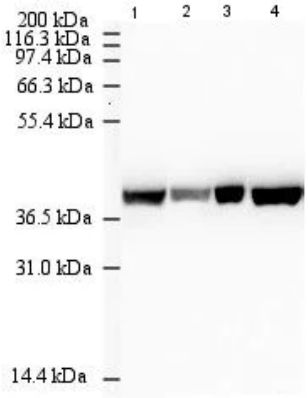
All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 15 kDa

Exposure time: 1min



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

Lane 1:
Western blot - Anti-beta Actin antibody [mAbcam 8226] - Loading Control (ab8226) at 1/1000 dilution

Lane 2:
Western blot - Anti-beta Actin antibody [mAbcam 8226] - Loading Control (ab8226) at 1/10000 dilution

Lanes 3 - 4:
Western blot - Anti-beta Actin antibody [mAbcam 8226] - Loading Control (ab8226) at 1/500 dilution

Lanes 1 - 2:
HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lysate at 20 µg

Lane 3:
HEK293 (Human epithelial cell line from embryonic kidney) cell lysate at 20 µg

Lane 4:
NIH/3T3 (Mouse embryo fibroblast cell line) cell lysate at 20 µg

Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/5000 dilution

Performed under reducing conditions.

Predicted band size: 41 kDa

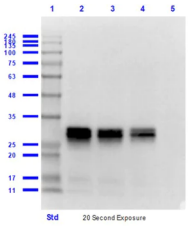
Exposure time: 10s



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

ab6728 was used at dilution 1/2000 with the primary antibody ab72009 in WB. See the review on ab72009.
Secondary

All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)



Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728)

Western blot analysis of ab6728 at 1/1000 dilution. Secondary Antibody: Rabbit Anti-Mouse IgG HRP at 1/40000 dilution for 30 mins at RT.
All lanes:
Western blot - Rabbit Anti-Mouse IgG H&L (HRP) (ab6728) at 1/1000 dilution

Lanes 2 - 4:
HeLa WC Lysate + GFP protein at 10 µg

Lane 5:
HeLa Whole Cell Lysate at 10 µg

Secondary

All lanes:
Rabbit Anti-Mouse IgG HRP at 1/40000 dilution

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.