abcam

ab251147

Anti-UCHL5IP antibody [EPR15341-56] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR15341-56
Purification technique	Affinity purification Protein A

Reactivity data

IP

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-P

Tested

Species	Mouse
Dilution info	-
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information HAUS7

Function	Contributes to mitotic spindle assembly, maintenance of centrosome integrity and completion of cytokinesis as part of the HAUS augmin-like complex.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab251147 is the carrier-free version of ab192616.

Patented technology

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	UCHL5IP also known as Ubiquitin Carboxyl-terminal Hydrolase L5 Interacting Protein functions as an important protein supporting the role of UCHL5 in protein degradation. UCHL5IP is involved in deubiquitination processes and has closely-related functions with enzymes in removing ubiquitin from proteins. Its molecular mass is approximately 26 kDa. UCHL5IP is broadly expressed in various tissues suggesting its involvement in several cellular processes.
Biological function summary	UCHL5IP regulates protein turnover by assisting the function of UCHL5. It forms part of a complex with the proteasome which is important for maintaining protein homeostasis. This interaction helps the proteasome properly degrade misfolded or excessive proteins enhancing cellular regulation. The involvement of UCHL5IP in maintaining protein quality control underlines its significance in cellular integrity and function.
Pathways	Scientists recognize UCHL5IP's participation in the ubiquitin-proteasome pathway a major cellular mechanism controlling protein degradation. It interacts with UCHL5 a component of the protease interacting with the proteasome. The pathway is responsible for regulating protein levels and maintaining cellular balance. Additionally UCHL5IP might have connections to signaling pathways through roles in modulating protein levels linking it to broader networks of cellular communication and response.
Associated diseases and disorders	Researchers have linked UCHL5IP to neurodegenerative diseases due to its involvement in proteasome function. Malfunction in protein degradation pathways contributes to disorders such as Parkinson’s disease. UCHL5IP through its interaction with UCHL5 can influence the build-up of misfolded proteins which are necessary for disease development. Continued study on UCHL5IP might provide further insights into its role in these conditions and potential therapeutic targets.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

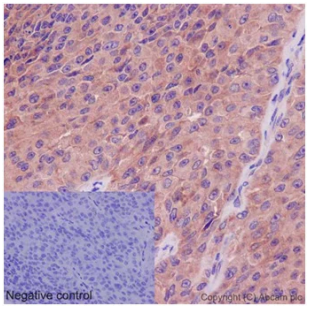
We do not recommend this combination. It is not covered by our product promise.

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.

7 product images

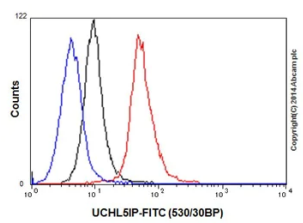


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UCHL5IP antibody [EPR15341-56] - BSA and Azide free (ab251147)

UCHL5IP Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-UCHL5IP antibody

This data was developed using ab192616, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human endometrium adenocarcinoma tissue labeling UCHL5IP with ab192616 at 1/500 dilution (5µg/ml) followed by pre-diluted HRP Polymer for Rabbit/Mouse IgG secondary antibody and counter-stained with Hematoxylin. (inset: negative control).

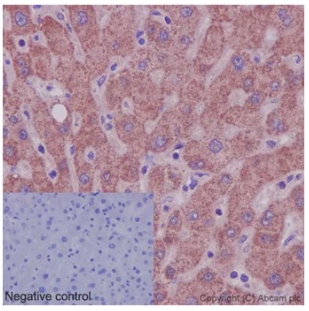
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-UCHL5IP antibody [EPR15341-56] - BSA and Azide free (ab251147)

UCHL5IP Flow Cytometry (Intracellular) staining using rabbit Anti-UCHL5IP antibody

This data was developed using ab192616, the same antibody clone in a different buffer formulation.
Intracellular flow cytometric analysis of Jurkat cells (paraformaldehyde-fixed, 2%) labeling UCHL5IP with ab192616 at 1/480 dilution (red) or a rabbit IgG (negative) (black), unlabeled cells (blue) followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.

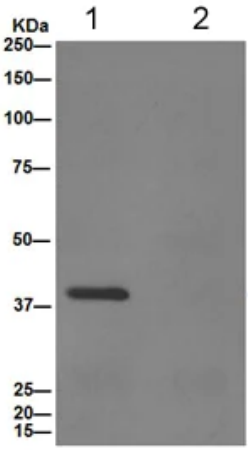


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UCHL5IP antibody [EPR15341-56] - BSA and Azide free (ab251147)

UCHL5IP Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-UCHL5IP antibody

This data was developed using ab192616, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling UCHL5IP with ab192616 at 1/500 dilution (5µg/ml) followed by pre-diluted HRP Polymer for Rabbit/Mouse IgG secondary antibody and counter-stained with Hematoxylin. (inset: negative control).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

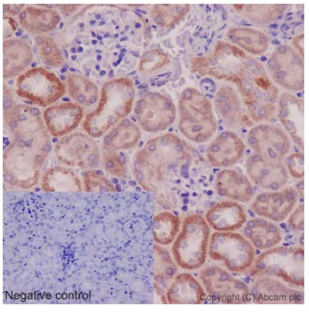


Immunoprecipitation - Anti-UCHL5IP antibody [EPR15341-56] - BSA and Azide free (ab251147)

This data was developed using ab192616, the same antibody clone in a different buffer formulation.
Western blot analysis of immunoprecipitation pellet from Jurkat cell lysate immunoprecipitated using ab192616 at 1/150 dilution (lane 1) or PBS control (lane 2).
Secondary: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

All lanes:
Immunoprecipitation - Anti-UCHL5IP antibody [EPR15341-56] (ab192616)

Predicted band size: 40 kDa

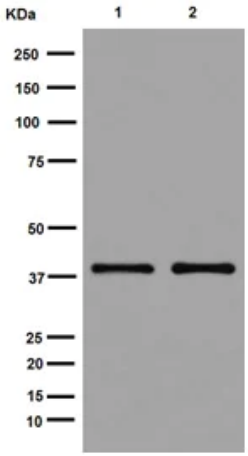


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-UCHL5IP antibody [EPR15341-56] - BSA and Azide free (ab251147)

UCHL5IP Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-UCHL5IP antibody

This data was developed using ab192616, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Mouse kidney tissue labeling UCHL5IP with ab192616 at 1/500 dilution (5µg/ml) dilution followed by pre-diluted HRP Polymer for Rabbit/Mouse IgG secondary antibody and counter-stained with Hematoxylin. (inset: negative control).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-UCHL5IP antibody [EPR15341-56] - BSA and Azide free (ab251147)

UCHL5IP Western blot staining using rabbit Anti-UCHL5IP antibody

This data was developed using ab192616, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-UCHL5IP antibody [EPR15341-56] (ab192616) at 1/1000 dilution

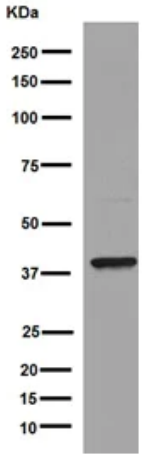
Lane 1:
HeLa cell lysate at 20 µg

Lane 2:
Jurkat cell lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 40 kDa



Western blot - Anti-UCHL5IP antibody [EPR15341-56] - BSA and Azide free (ab251147)

UCHL5IP Western blot staining of RAW 264.7 cell lysate using rabbit Anti-UCHL5IP antibody

This data was developed using ab192616, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-UCHL5IP antibody [EPR15341-56] (ab192616) at 1/1000 dilution

All lanes:
RAW 264.7 cell lysate at 10 µg

Secondary

All lanes:
Goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Predicted band size: 25 kDa, 31 kDa, 40 kDa, 48 kDa, 50 kDa, 54 kDa, 84 kDa, 90 kDa

Observed band size: 50 kDa, 54 kDa

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