abcam

ab322661

Anti-LRBA/BGL antibody [EPR29133-75]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR29133-75
Purification technique	Affinity purification Protein A
Concentration	0.4925 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/500
Notes	-

Not recommended

Species	Mouse
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/50
Notes	-

Not recommended

Species	Mouse
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/1000
Notes	-

Not recommended

Species	Mouse
Dilution info	-
Notes	-

Target data

See full target information LRBA

Function	Involved in coupling signal transduction and vesicle trafficking to enable polarized secretion and/or membrane deposition of immune effector molecules (By similarity). Involved in phagophore growth during mitophagy by regulating ATG9A trafficking to mitochondria (PubMed:33773106).

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

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.

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.

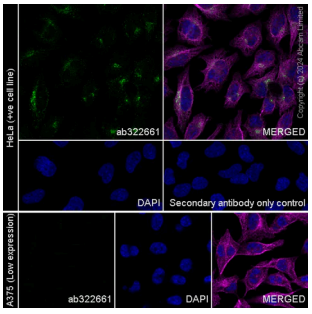
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

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4 product images



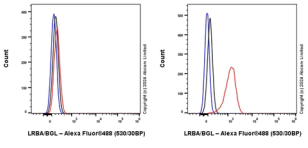
Immunocytochemistry/ Immunofluorescence - Anti-LRBA/BGL antibody [EPR29133-75] (ab322661)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HeLa (human cervical adenocarcinoma epithelial cell) cells labelling LRBA/BGL with ab322661 at 1/50 (9.85 ug/ml) dilution, followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 2ug/ml dilution (Green).

Confocal image showing cytoplasmic staining in HeLa cell line (shown in green). The counterstain was observed in magenta. Nuclear DNA was labelled with DAPI (shown in blue).
Low expression: A375
Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 2.5ug/ml dilution (Magenta). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2ug/ml dilution.

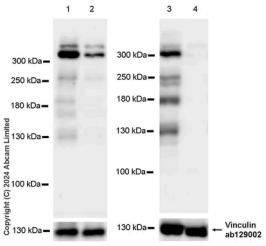


Flow Cytometry (Intracellular) - Anti-LRBA/BGL antibody [EPR29133-75] (ab322661)

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized A375 (human malignant melanoma epithelial cell, Left) / HeLa(human cervical adenocarcinoma epithelial cell, Right) cells labelling LRBA/BGL with ab322661 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.

Low expression: A375.



Western blot - Anti-LRBA/BGL antibody [EPR29133-75] (ab322661)

LRBA/BGL Western blot staining using rabbit Anti-LRBA/BGL antibody

"
Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Low expression: A375

Samples are non-boiled as boiling may cause protein aggregation.

The identity of the bands lower than 319 kDa are unknown.

In Western blot, Anti-Vinculin antibody [EPR8185] (ab129002) staining at 1/10000 dilution.

Exposure time: Lanes1-2: 26 seconds, lanes3-4: 10 seconds

"
All lanes:
Western blot - Anti-LRBA/BGL antibody [EPR29133-75] (ab322661) at 1/1000 dilution

Lane 1:
HeLa (human cervical adenocarcinoma epithelial cell) transfected with scrambled siRNA control whole cell lysate at 30 µg

Lane 2:
HeLa transfected with siRNA specifically targeting LRBA whole cell lysate at 30 µg

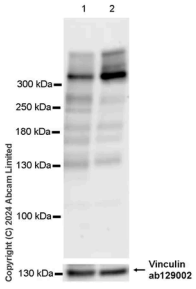
Lane 3:
HeLa (human cervical adenocarcinoma epithelial cell) whole cell lysate at 40 µg

Lane 4:
A375 (human malignant melanoma epithelial cell) whole cell lysate at 40 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 319 kDa, 330 kDa, 124 kDa



Western blot - Anti-LRBA/BGL antibody [EPR29133-75] (ab322661)

LRBA/BGL Western blot staining using rabbit Anti-LRBA/BGL antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

The expression of LRBA is upregulated in response to LPS treatment (PMID:11254716).

Samples are non-boiled as boiling may cause protein aggregation.

The identity of the bands lower than 319 kDa are unknown.

In Western blot, Anti-Vinculin antibody [EPR8185] (ab129002) staining at 1/10000 dilution.

All lanes:
Western blot - Anti-LRBA/BGL antibody [EPR29133-75] (ab322661) at 1/1000 dilution

Lane 1:

Untreated THP-1 (human monocytic leukemia monocyte) whole cell lysate at 20 µg

Lane 2:
THP-1 treated with 1ug/ml LPS for 24 hours whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 319 kDa, 330 kDa, 124 kDa

Exposure time: 26s

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