abcam

ab172973

Anti-LZP antibody [EPR9349]

Recombinant | RabMAb

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	EPR9349
Purification technique	Affinity purification Protein A
Concentration	1.717 - 1.754 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/1000 - 1/10000
Notes	-

Not recommended

Species	Mouse, Rat
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

ICC/IF

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/100 - 1/500
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Not recommended

Species	Mouse
Dilution info	-
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Rat
Dilution info	-
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Target data

See full target information OIT3

Function	May be involved in hepatocellular function and development.

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.

Supplementary info

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

Activity summary	LZP also known as leucine zipper protein is a structural protein that plays a significant role in various cellular processes. It has a molecular mass of approximately 25 kDa. LZP is expressed highly in the liver and lungs with moderate expression observed in the brain and heart. The presence of the leucine zipper motif in LZP allows it to function as a transcription factor facilitating the regulation of gene expression through dimerization and DNA binding.
Biological function summary	LZP interacts with other proteins to regulate cell proliferation and differentiation. The protein forms part of a larger complex involved in these cellular processes. Through its action in transcription regulation LZP influences the expression of genes critical for cell cycle progression and apoptosis. During normal cellular function LZP maintains a balance between cell growth and programmed cell death contributing to tissue homeostasis.
Pathways	Research identifies LZP playing a role in the MAPK/ERK signaling pathway and the NF-κB signaling pathway. These pathways are essential for transmitting signals from the cell surface to the DNA in the nucleus impacting cell survival and differentiation. LZP interacts closely with proteins such as c-Jun and p53 within these pathways suggesting its importance in signal transduction and gene transcription.
Associated diseases and disorders	LZP has connections to certain types of cancer including liver and lung cancer. Studies indicate that aberrant expression or mutations in LZP can lead to uncontrolled cell proliferation contributing to tumorigenesis. In addition LZP's interaction with the protein p53 known for its tumor-suppressing activities highlights its role in these diseases. Understanding LZP's functions and pathways offers potential targets for therapeutic intervention in related disorders.

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

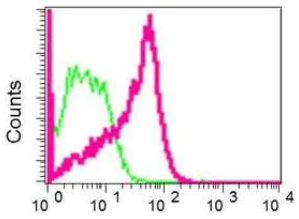
We do not recommend this combination. It is not covered by our product promise.

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.

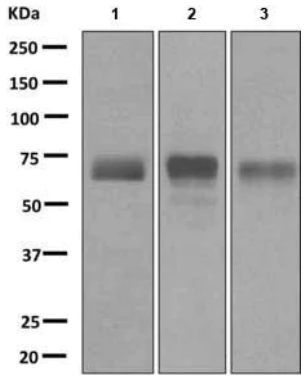
2 product images



Flow Cytometry (Intracellular) - Anti-LZP antibody [EPR9349] (ab172973)

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

Intracellular flow cytometric analysis of permeabilized HepG2 cells labeling LZP with ab172973 at 1/100 diution (red)or a rabbit IgG (negative) (green).



Western blot - Anti-LZP antibody [EPR9349] (ab172973)

All lanes:
Western blot - Anti-LZP antibody [EPR9349] (ab172973) at 1/1000 dilution

Lane 1:
Human Plasma at 10 µg

Lane 2:
Human fetal liver lysate at 10 µg

Lane 3:
HepG2 cell lysate at 10 µg

Predicted band size: 60 kDa

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