

PMP70 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS14573**Specification**

PMP70 Antibody (Internal) - Product Information

Application	WB
Primary Accession	P28288
Reactivity	Human, Monkey, Horse, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	75kDa KDa

PMP70 Antibody (Internal) - Additional Information**Gene ID** 5825**Other Names**

ATP-binding cassette sub-family D member 3, 70 kDa peroxisomal membrane protein, PMP70, ABCD3, PMP70, PXMP1

Target/Specificity

Human ABCD3 / PMP70. This antibody is expected to recognize one isoform (NP_002849.1) only.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

PMP70 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

PMP70 Antibody (Internal) - Protein Information**Name** ABCD3 ([HGNC:67](#))**Function**

Broad substrate specificity ATP-dependent transporter of the ATP-binding cassette (ABC) family that catalyzes the transport of long- chain fatty acids (LCFA)-CoA, dicarboxylic acids-CoA, long-branched- chain fatty acids-CoA and bile acids from the cytosol to the peroxisome lumen for beta-oxydation (PubMed: 11248239, PubMed: 25168382, PubMed: 24333844, PubMed: 29397936). Has fatty acyl-CoA thioesterase and ATPase activities (PubMed: 29397936). Probably hydrolyzes fatty acyl- CoAs into free fatty acids prior to their ATP-dependent transport into peroxisomes (By similarity). Thus, play a role in regulation of LCFAs and energy metabolism namely, in the degradation and biosynthesis of fatty acids by beta-oxidation (PubMed: 29397936).

href="http://www.uniprot.org/citations/25944712" target="_blank">25944712, PubMed:24333844).

Cellular Location

Peroxisome membrane; Multi-pass membrane protein

PMP70 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PMP70 Antibody (Internal) - Images



Antibody (0.2 ug/ml) staining of Human Kidney lysate (35 ug protein in RIPA buffer).

PMP70 Antibody (Internal) - Background

Probable transporter. The nucleotide-binding fold acts as an ATP-binding subunit with ATPase activity.

PMP70 Antibody (Internal) - References

Gaertner J., et al. Nat. Genet. 1:16-23(1992).
Kamiyo K., et al. Biochim. Biophys. Acta 1129:323-327(1992).
Gaertner J., et al. Genomics 48:203-208(1998).
Kalinine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Gregory S.G., et al. Nature 441:315-321(2006).