

Pxmp3 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12190**Specification**

Pxmp3 antibody - N-terminal region - Product Information

| | |
|-------------------|----------------------------------------------------------------|
| Application | WB |
| Primary Accession | P55098 |
| Other Accession | NM_008994 , NP_033020 |
| Reactivity | Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog |
| Predicted | Mouse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 35kDa KDa |

Pxmp3 antibody - N-terminal region - Additional Information**Gene ID** 19302

Alias Symbol 35kDa, D3Ertd138e, PMP35, Pex2, Pxmp3
Other Names
Peroxisome biogenesis factor 2, Peroxin-2, Peroxisomal membrane protein 3, Peroxisome assembly factor 1, PAF-1, Pex2, Paf1, Pmp35, Pxmp3

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Pxmp3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Pxmp3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Pxmp3 antibody - N-terminal region - Protein Information**Name** Pex2 {ECO:0000303|PubMed:9382874, ECO:0000312|MGI:MGI:107486}**Function**

E3 ubiquitin-protein ligase component of a retrotranslocation channel required for peroxisome organization by mediating export of the PEX5 receptor from peroxisomes to the cytosol, thereby promoting PEX5 recycling (By similarity). The retrotranslocation channel is composed of PEX2, PEX10 and PEX12; each subunit contributing transmembrane segments that coassemble into an open channel that specifically allows the passage of PEX5 through the peroxisomal membrane (By similarity). PEX2 also regulates peroxisome organization by acting as a E3 ubiquitin-protein ligase (By similarity). PEX2 ubiquitinates PEX5 during its passage through the retrotranslocation channel:

catalyzes monoubiquitination of PEX5 at 'Cys-11', a modification that acts as a signal for PEX5 extraction into the cytosol (By similarity). Required for pexophagy in response to starvation by mediating ubiquitination of peroxisomal proteins, such as PEX5 and ABCD3/PMP70 (By similarity). Also involved in the response to reactive oxygen species (ROS) by mediating 'Lys-48'-linked polyubiquitination and subsequent degradation of PNPLA2/ATGL, thereby regulating lipolysis (PubMed:34903883).

Cellular Location

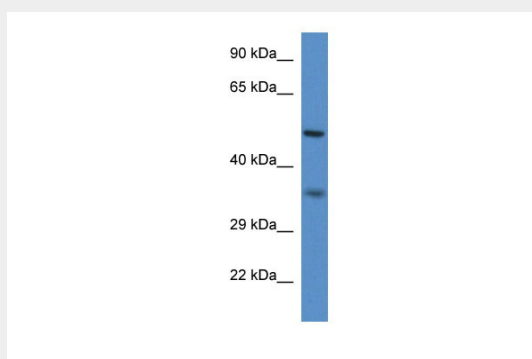
Peroxisome membrane {ECO:0000250|UniProtKB:P28328}; Multi-pass membrane protein

Pxmp3 antibody - N-terminal region - 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](#)

Pxmp3 antibody - N-terminal region - Images



WB Suggested Anti-Pxmp3 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Spleen