

Pxmp3 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12190

Product Information

Application	WB
Primary Accession	P55098
Other Accession	NM_008994 , NP_033020
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34732

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.

Protein Information

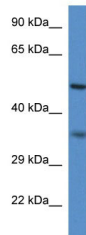
Name	Pex2 {ECO:0000303 PubMed:9382874, ECO:0000312 MGI:MGI:107486}
Function	E3 ubiquitin-protein ligase component of a retrotranslocation channel required for peroxisome organization by mediating export of the PEX5 receptor from peroxisomes to the cytosol, thereby promoting PEX5 recycling (By similarity). 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

Images



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

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