Mouse PEX5 Monoclonal Antibody | anti-PEX5 antibody

PEX5 antibody

CATALOG #	HOST	APPLICATIONS
AAA107319	**Mouse**	**Western Blot, Immunofluorescence**

PRODUCT SYNONYMS

PEX5; Monoclonal Antibody; PEX5 antibody; Monoclonal PEX5; Anti-PEX5; Peroxisomal Biogenesis Factor 5; PTS1R; PXR1; PEX 5; PEX-5; anti-PEX5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	6G8
Purity/Purification	PEX5 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	631
Applicable Applications for anti-PEX5 antibody	WB (Western Blot), IF (Immunofluorescence)
Biological Significance	PEX5 binds to the C-terminal PTS1-type tripeptide peroxisomal targeting signal (SKL-type) and plays an essential role in peroxisomal protein import. Peroxins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function.
Cross-Reactivity	Human
Immunogen	PEX5 antibody was raised in mouse using a full length recombinant protein of human PEX5 (NP_000310) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PEX5 protein (Right) or empty vector (Left) detected with PEX5 antibody

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant PEX5 protein using PEX5 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PEX5 antibody	Mouse monoclonal PEX5 antibody

Product Categories/Family for anti-PEX5 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361204
NCBI GeneID	5830
NCBI Accession #	NP_000310
NCBI GenBank Nucleotide #	NM_000319.4
UniProt Accession #	P50542; Q15115; Q15266; Q96FN7; A8K891; B4DZ45; B7ZAD5; D3DUT8
Molecular Weight	72,291 Da
NCBI Official Full Name	peroxisomal biogenesis factor 5 isoform b
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 5
NCBI Official Symbol	PEX5
NCBI Official Synonym Symbols	PXR1; PBD2A; PBD2B; PTS1R; PTS1-BP
NCBI Protein Information	peroxisomal biogenesis factor 5
UniProt Protein Name	Peroxisomal targeting signal 1 receptor
UniProt Gene Name	**PEX5**
UniProt Synonym Gene Names	PXR1; PTS1 receptor; PTS1R
UniProt Entry Name	PEX5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/pex5-antibody-clone-6g8-western-blot-immunofluorescence-elisa/107319