

PEX6 Antibody (monoclonal) (M04)**Mouse monoclonal antibody raised against a partial recombinant PEX6.****Catalog # AT3272a****Specification**

PEX6 Antibody (monoclonal) (M04) - Product Information

Application	WB, E
Primary Accession	Q13608
Other Accession	NM_000287
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	104061

PEX6 Antibody (monoclonal) (M04) - Additional Information**Gene ID** 5190**Other Names**

Peroxisome assembly factor 2, PAF-2, Peroxin-6, Peroxisomal biogenesis factor 6, Peroxisomal-type ATPase 1, PEX6, PXAAA1

Target/Specificity

PEX6 (NP_000278, 881 a.a. ~ 980 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

PEX6 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

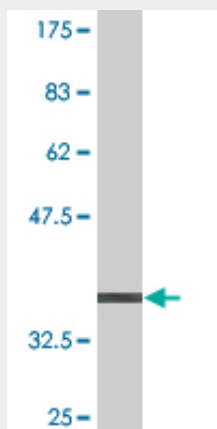
PEX6 Antibody (monoclonal) (M04) - Protocols

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

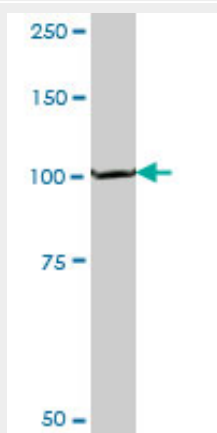
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

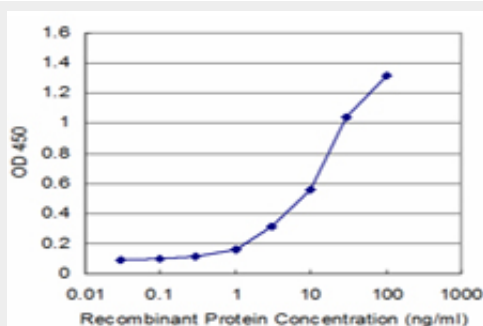
PEX6 Antibody (monoclonal) (M04) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



PEX6 monoclonal antibody (M04), clone 3G3. Western Blot analysis of PEX6 expression in K-562 (Cat # AT3272a)



Detection limit for recombinant GST tagged PEX6 is approximately 0.3ng/ml as a capture antibody.

PEX6 Antibody (monoclonal) (M04) - Background

This gene encodes a member of the AAA (ATPases associated with diverse cellular activities) family of ATPases. This member is a predominantly cytoplasmic protein, which plays a direct role in peroxisomal protein import and is required for PTS1 (peroxisomal targeting signal 1, a C-terminal tripeptide of the sequence ser-lys-leu) receptor activity. Mutations in this gene cause peroxisome biogenesis disorders of complementation group 4 and complementation group 6.

PEX6 Antibody (monoclonal) (M04) - References

Spectrum of PEX6 mutations in Zellweger syndrome spectrum patients. Ebberink MS, et al. Hum Mutat, 2010 Jan. PMID 19877282. Maternally inherited Leigh syndrome: T8993G mutation in a Tunisian family. Mkaouer-Rebai E, et al. Pediatr Neurol, 2009 Jun. PMID 19433277. Identification of novel mutations and sequence variation in the Zellweger syndrome spectrum of peroxisome biogenesis disorders. Yik WY, et al. Hum Mutat, 2009 Mar. PMID 19105186. Dynamic and functional assembly of the AAA peroxins, Pex1p and Pex6p, and their membrane receptor Pex26p. Tamura S, et al. J Biol Chem, 2006 Sep 22. PMID 16854980. Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.