

PEX6 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant PEX6.

Catalog # AT3272a

Product Information

Application	WB, E
Primary Accession	Q13608
Other Accession	NM_000287
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3G3
Calculated MW	104061

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 E~~N/A
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.

Background

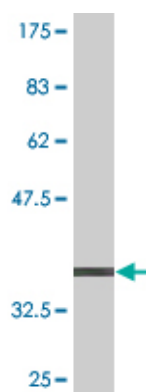
This gene encodes a member of the AAA (ATPases associated with diverse cellular activities) family of ATPases. This member is a predominantly cytoplasmic protein, which plays a direct role in peroxisomal protein import and is required for PTS1 (peroxisomal targeting signal 1, a C-terminal tripeptide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

References

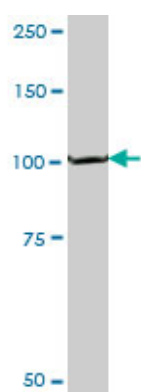
Spectrum of PEX6 mutations in Zellweger syndrome spectrum patients. Ebberink MS, et al. Hum Mutat, 2010

Jan. PMID 19877282. Maternally inherited Leigh syndrome: T8993G mutation in a Tunisian family. Mkaouar-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.

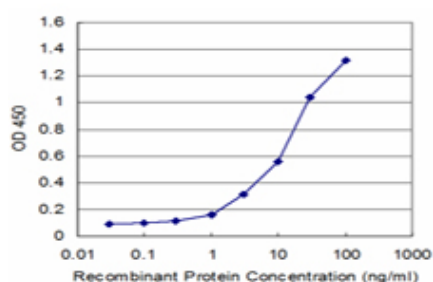
Images



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.

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