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PEX10 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant PEX10.
Catalog # AT3271a

Product Information

Application	WB, E
Primary Accession	O60683
Other Accession	BC018198
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	1B8
Calculated MW	37069

Additional Information

Gene ID	5192
Other Names	Peroxisome biogenesis factor 10, Peroxin-10, Peroxisomal biogenesis factor 10, Peroxisome assembly protein 10, RING finger protein 69, PEX10, RNF69
Target/Specificity	PEX10 (AAH18198.1, 1 a.a. ~ 326 a.a) full-length 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	PEX10 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

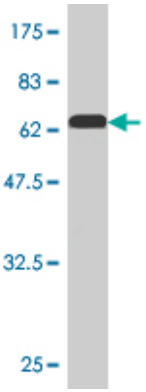
This gene encodes a protein involved in import of peroxisomal matrix proteins. This protein localizes to the peroxisomal membrane. Mutations in this gene result in phenotypes within the Zellweger spectrum of peroxisomal biogenesis disorders, ranging from neonatal adrenoleukodystrophy to Zellweger syndrome. Alternative splicing results in two transcript variants encoding different isoforms.

References

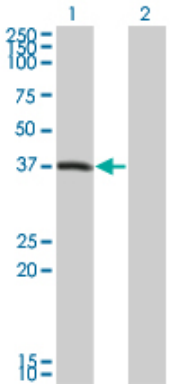
Identification of novel mutations and sequence variation in the Zellweger syndrome spectrum of peroxisome biogenesis disorders. Yik WY, et al. Hum Mutat, 2009 Mar. PMID 19105186.The DNA sequence

and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May 18. PMID 16710414.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.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Genetic heterogeneity in Japanese patients with peroxisome biogenesis disorders and evidence for a founder haplotype for the most common mutation in PEX10 gene. Shimozawa N, et al. Adv Exp Med Biol, 2003. PMID 14713216.

Images

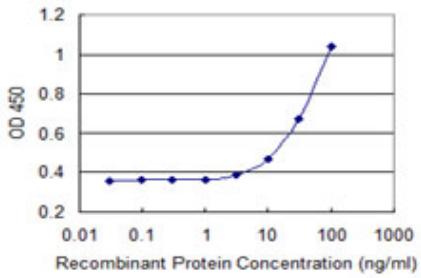


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (61.6 KDa) .



Western Blot analysis of PEX10 expression in transfected 293T cell line by PEX10 monoclonal antibody (M01), clone 1B8.

Lane 1: PEX10 transfected lysate(37.069 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged PEX10 is 1 ng/ml as a capture antibody.