Product Name: PEX12 Rabbit Polyclonal Antibody
Catalog #: APRab15998

Summary

Production Name	PEX12 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	PEX12 PAF3
Alternative Names	
Gene ID	5193.0
SwissProt ID	O00623.Synthesized peptide derived from human protein . at AA range: 180-260

Application

Dilution Ratio	WB 1:500-2000 ELISA 1:5000-20000
Molecular Weight	39kD

Background

peroxisomal biogenesis factor 12(PEX12) Homo sapiens This gene belongs to the peroxin-12 family. Peroxins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a

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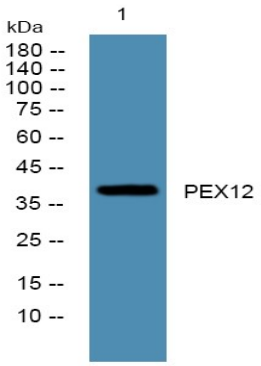
group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. The peroxisomal biogenesis disorders are a heterogeneous group with at least 14 complementation groups and with more than 1 phenotype being observed in cases falling into particular complementation groups. Although the clinical features of PBD patients vary, cells from all PBD patients exhibit a defect in the import of one or more classes of peroxisomal matrix proteins into the organelle. Defects in this gene are a cause of Zellweger syndrome (ZWS). [provided by RefSeq, Oct 2008],disease:Defects in PEX12 are a cause of Zellweger syndrome (ZWS) [MIM:214100]. ZWS is a fatal peroxisome biogenesis disorder characterized by dysmorphic facial features, hepatomegaly, ocular abnormalities, renal cysts, hearing impairment, profound psychomotor retardation, severe hypotonia and neonatal seizures. Death occurs within the first year of life.,disease:Defects in PEX12 are the cause of peroxisome biogenesis disorder complementation group 3 (PBD-CG3) [MIM:601758]. PBD refers to a group of peroxisomal disorders arising from a failure of protein import into the peroxisomal membrane or matrix. The PBD group is comprised of four disorders: Zellweger syndrome (ZWS), neonatal adrenoleukodystrophy (NALD), infantile Refsum disease (IRD), and classical rhizomelic chondrodysplasia punctata (RCDP). ZWS, NALD and IRD are distinct from RCDP and constitute a clinical continuum of overlapping phenotypes known as the Zellweger spectrum. The PBD group is genetically heterogeneous with at least 14 distinct genetic groups as concluded from complementation studies.,function:Required for protein import into peroxisomes.,similarity:Belongs to the pex2/pex10/pex12 family.,similarity:Contains 1 RING-type zinc finger.,subunit:Interacts with PEX5 and PEX10. Interacts with PEX19 via its cytoplasmic domain.,

Research Area

Image Data



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4°over night

Note

For research use only.