Best Tools for immunology Research

Peroxin 3 Polyclonal Antibody

Catalog No :	YT3676
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	Peroxin 3
Fields :	>>Peroxisome
Gene Name :	PEX3
Protein Name :	Peroxisomal biogenesis factor 3
Human Gene Id :	8504
Human Swiss Prot No :	P56589
Mouse Gene Id :	56535
Mouse Swiss Prot No :	Q9QXY9
Rat Gene Id :	83519
Rat Swiss Prot No :	Q9JJK4
Immunogen :	The antiserum was produced against synthesized peptide derived from human PEX3. AA range:12-61
Specificity :	Peroxin 3 Polyclonal Antibody detects endogenous levels of Peroxin 3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 42kD

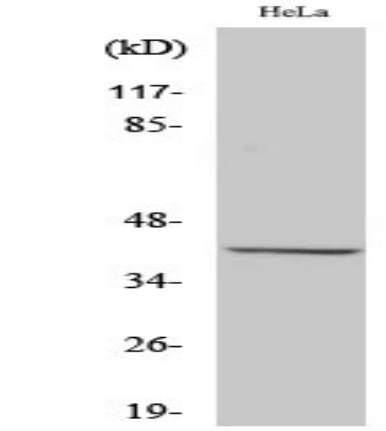
Background : The product of this gene is involved in peroxisome biosynthesis and integrity. It assembles membrane vesicles before the matrix proteins are translocated. Peroxins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. 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 Zellweger syndrome (ZWS). [provided by RefSeq, Oct 20

Function : disease:Defects in PEX3 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 PEX3 are the cause of peroxisome biogenesis disorder complementation group 12 (PBD-CG12) [MIM:603164]; also known as PBD-CGG. 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 co

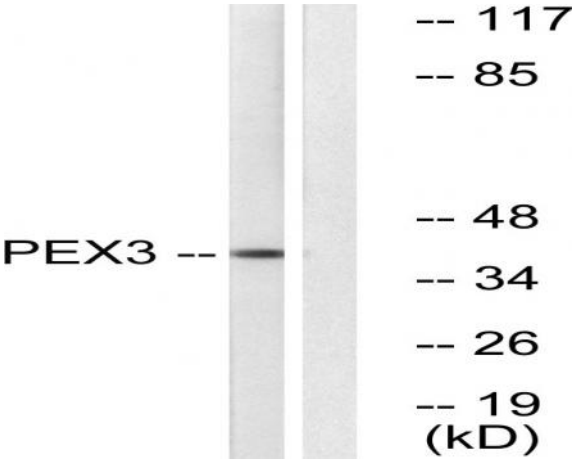
Subcellular Location : Peroxisome membrane ; Multi-pass membrane protein .

Expression : Found in all examined tissues.

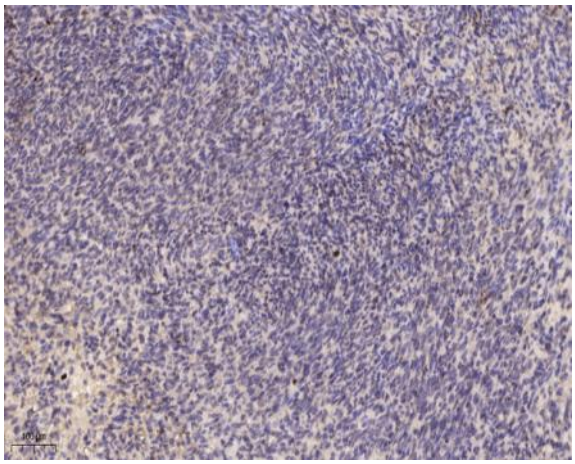
Products Images



Western Blot analysis of various cells using Peroxin 3 Polyclonal Antibody



Western blot analysis of lysates from HeLa cells, using PEX3 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human uterus. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).