Peroxin 3 Rabbit pAb

CatalogNo: YT3676

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• WB,ELISA,IHC

MW	Isotype
• 42kD (Observed)	• IgG

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:50-300
ELISA 1:2000-20000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

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.

Target Information

Gene name PEX3

Protein Name Peroxisomal biogenesis factor 3

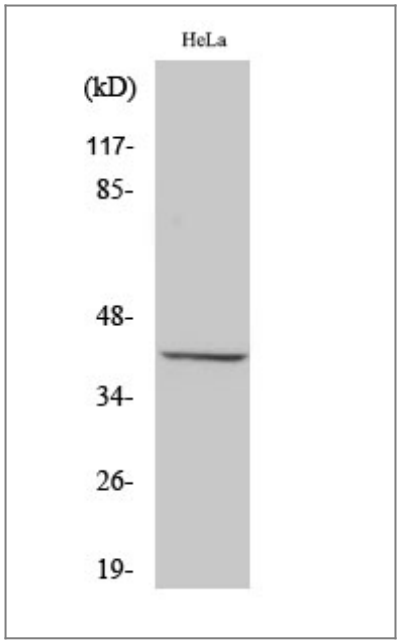
Organism	Gene ID	UniProt ID
Human	8504;	P56589;
Mouse	56535;	Q9QXY9;
Rat	83519;	Q9JJK4;

Cellular Localization Peroxisome membrane ; Multi-pass membrane protein .

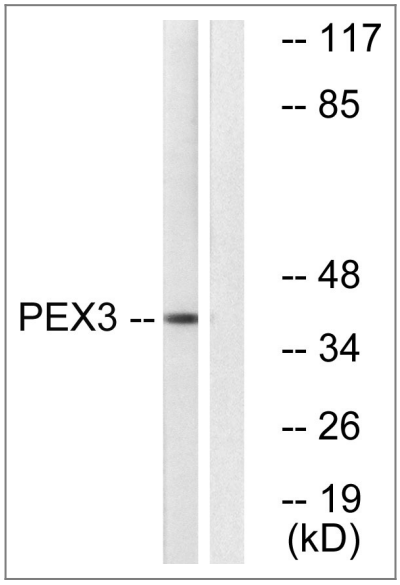
Tissue specificity Found in all examined tissues.

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 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:Involved in peroxisome biosynthesis and integrity. Assembles membrane vesicles before the matrix proteins are translocated. As a docking factor for PEX19, is necessary for the import of peroxisomal membrane proteins in the peroxisomes.,similarity:Belongs to the peroxin-3 family.,subunit:Interacts with PEX19.,tissue specificity:Found in all examined tissues.,

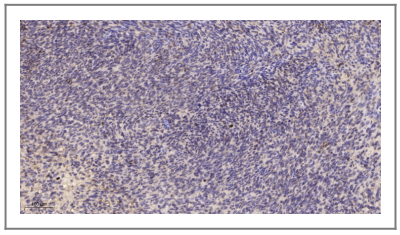
Validation Data



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).

Contact information

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Please scan the QR code to access additional product information:
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