Peroxin 10 Rabbit pAb

CatalogNo: YT3670

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,IHC,IF,ELISA

MW
- 45kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:40000
IF 1:50-200

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 PEX10. AA range:183-232
Specificity	Peroxin 10 Polyclonal Antibody detects endogenous levels of Peroxin 10 protein.

Target Information

Gene name PEX10

Protein Name Peroxisome biogenesis factor 10

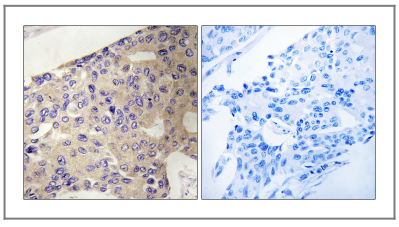
Organism	Gene ID	UniProt ID
Human	5192;	O60683;
Mouse		B1AUE5;

Cellular Localization Peroxisome membrane ; Peripheral membrane protein .

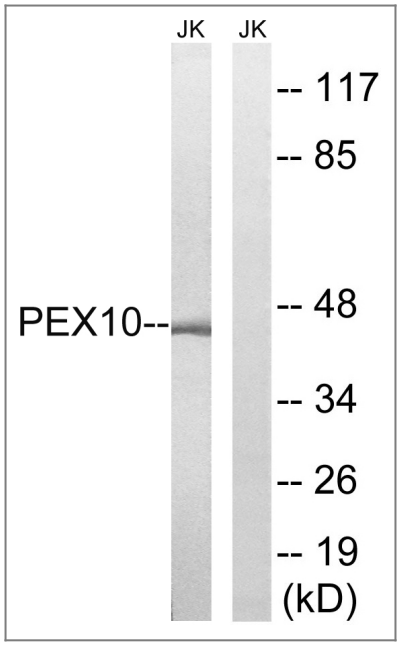
Tissue specificity Brain,Lung,

Function Disease:Defects in PEX10 are a cause of adrenoleukodystrophy neonatal (NALD) [MIM:202370]. NALD is a peroxisome biogenesis disorder (PBD) characterized by the accumulation of very long-chain fatty acids, adrenal insufficiency and mental retardation.,Disease:Defects in PEX10 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 PEX10 are the cause of peroxisome biogenesis disorder complementation group 7 (PBD-CG7) [MIM:602859]; also known as PBD-CGB. 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:Somewhat implicated in the biogenesis of peroxisomes.,similarity:Belongs to the pex2/pex10/pex12 family.,similarity:Contains 1 RING-type zinc finger.,subunit:Interacts with PEX19.,

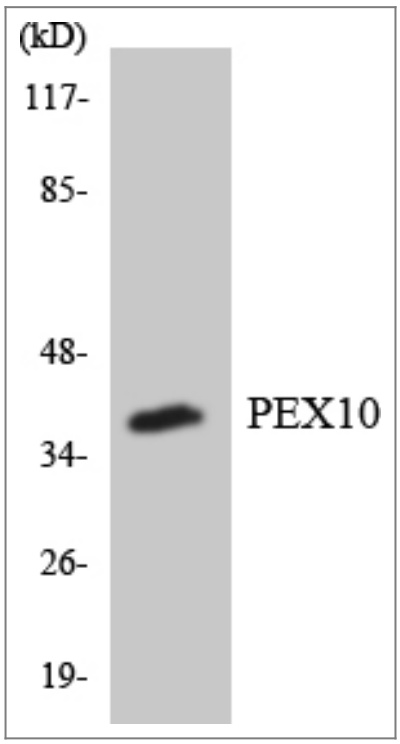
Validation Data



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PEX10 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using PEX10 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using PEX10 antibody.

Contact information

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Please scan the QR code to access additional product information:
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