



Datasheet for ABIN954096
anti-PEX14 antibody (C-Term)



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3 Images

Overview

Quantity:	0.4 mL
Target:	PEX14
Binding Specificity:	AA 348-377, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PEX14 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 348~377 amino acids from the C-terminal region of Human PEX14
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Peroxin 14 / PEX14 (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	PEX14
Alternative Name:	Peroxin 14 / PEX14 (PEX14 Products)

Target Details

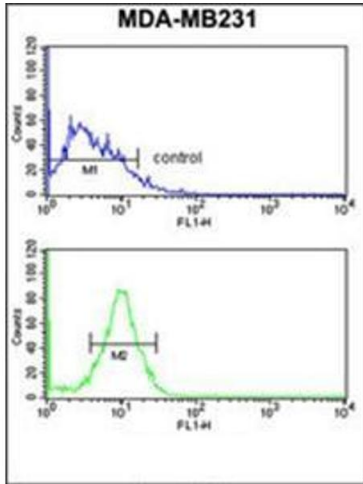
Background:	PEX14 belongs to the peroxin 14 family. It is a component of the peroxisomal translocation machinery with PEX13 and PEX17 and interacts with both the PTS1 and PTS2 receptors. PEX14 binds directly to PEX17. Defects in PEX14 are the cause of peroxisome biogenesis disorder complementation group K (PBD-CGK) [MIM:601791] and Zellweger syndrome (ZWS) [MIM:214100].Synonyms: PTS1 receptor-docking protein, Peroxin-14, Peroxisomal membrane protein PEX14
Molecular Weight:	36701 Da
Gene ID:	5195
NCBI Accession:	NP_004556
Pathways:	Maintenance of Protein Location

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

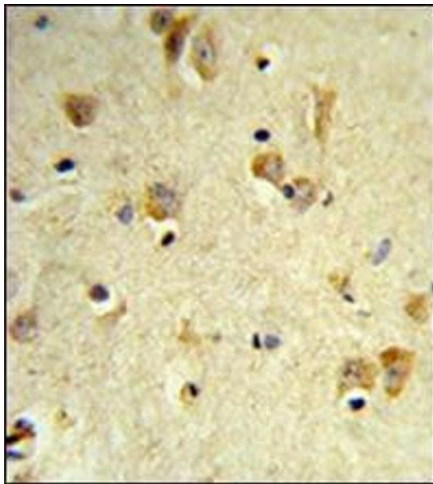
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



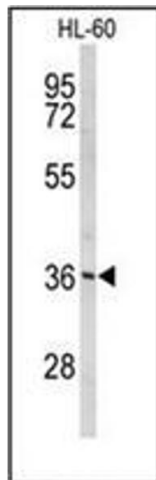
Flow Cytometry

Image 1. Flow cytometry analysis of MDA-MB231 cells using Peroxin 14 / PEX14 Antibody (C-term) Cat.-No AP53261PU-N (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human brain tissue reacted with Peroxin 14 / PEX14 Antibody (C-term) followed which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis of Peroxin 14 / PEX14 Antibody (C-term) in HL-60 cell line lysates (35ug/lane). PEX14 (arrow) was detected using the purified Pab.