

Rabbit PEX5 Polyclonal Antibody | anti-PEX5 antibody

PEX5 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200542	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Immunohistochemistry, Western Blot

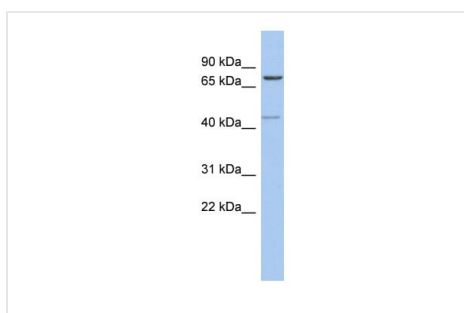
PRODUCT SYNONYMS

PEX5; Polyclonal Antibody; PEX5 antibody - middle region; anti-PEX5 antibody

PRODUCT SPECIFICATIONS

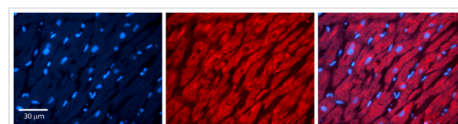
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: LN MQRKSRGPRG EGGAMSENIW STLRLALSML GQSDAYGAAD ARDLSTLL
Sequence Length	631
Applicable Applications for anti-PEX5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PEX5
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-PEX5 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:31250
Positive Control: COLO205 cell lysate



IHC (Immunohistochemistry)

Rabbit Anti-PEX5 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human heart
Tissue
Observed Staining: Cytoplasmic
Primary Antibody Concentration: 1:100
Other Working Concentrations: N/A
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-PEX5 antibody	This is a rabbit polyclonal antibody against PEX5. It was validated on Western Blot using a cell lysate as a positive control. Target Description: PEX5 binds to the C-terminal PTS1-type tripeptide peroxisomal targeting signal (SKL-type) and plays an essential role in peroxisomal protein import. 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 of neonatal adrenoleukodystrophy (NALD), a cause of Zellweger syndrome (ZWS) as well as may be a cause of infantile Refsum disease (IRD).
Product Categories/Family for anti-PEX5 antibody	Polyclonal; Various; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361204
NCBI GeneID	5830
NCBI Accession #	NP_000310
NCBI GenBank Nucleotide #	NM_000319
UniProt Accession #	P50542
Molecular Weight	70kDa
NCBI Official Full Name	peroxisomal biogenesis factor 5 isoform b
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 5
NCBI Official Symbol	PEX5
NCBI Official Synonym Symbols	PXR1; PBD2A; PBD2B; PTS1R; RCDP5; PTS1-BP
NCBI Protein Information	peroxisomal biogenesis factor 5
UniProt Protein Name	Peroxisomal targeting signal 1 receptor
UniProt Gene Name	PEX5
UniProt Synonym Gene Names	PXR1; PTS1 receptor; PTS1R
UniProt Entry Name	PEX5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pep5-antibody-immunohistochemistry-western-blot-elisa/200542>