

Rabbit anti-Human, Mouse PEX5 Polyclonal Antibody | anti-PEX5 antibody

PEX5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328089	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

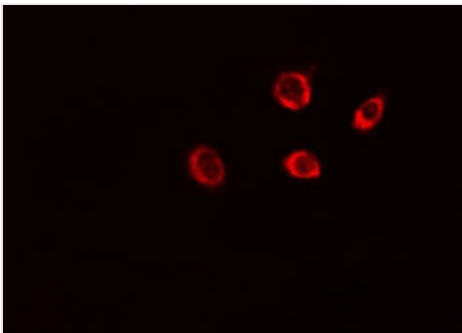
PRODUCT SYNONYMS

PEX5; Polyclonal Antibody; PEX5 Antibody; FLJ50634; FLJ50721; FLJ51948; PBD2A; PBD2B; Peroxin 5; Peroxin-5; Peroxisomal biogenesis factor 5; Peroxisomal C terminal targeting signal import receptor; Peroxisomal C-terminal targeting signal import receptor; Peroxisomal targeting signal 1 (SKL type) receptor; Peroxisomal targeting signal 1 receptor; Peroxisomal targeting signal import receptor; Peroxisomal targeting signal receptor 1; Peroxisome receptor 1; pex5; PEX5_HUMAN; PTS1 BP; PTS1 receptor; PTS1-BP; PTS1R; PXR1; anti-PEX5 antibody

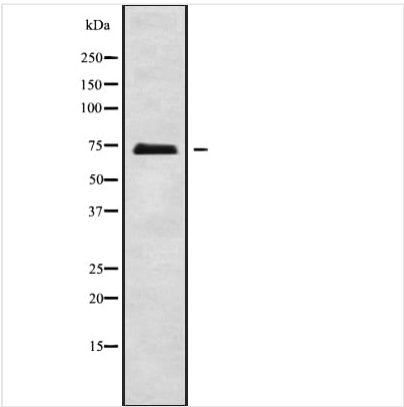
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PEX5 antibody detects endogenous levels of total PEX5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	631
Applicable Applications for anti-PEX5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PEX5
Subcellular Location	Cytoplasm. Peroxisome Membrane. Its distribution appears to be dynamic. It is probably a cycling receptor found mainly in the cytoplasm and as well associated to the peroxisomal membrane through a docking factor.
Tissue Specificity	Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (83%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA328089 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of PEX5 using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PEX5 antibody	Function: Binds to the C-terminal PTS1-type tripeptide peroxisomal targeting signal (SKL-type) and plays an essential role in peroxisomal protein import. Subunit Structure: Interacts with PEX7 and PEX13 (By similarity). Interacts with PEX12 and PEX14. Interacts (Cys-linked ubiquitinated) with ZFAND6. Post-translational Modifications: Monoubiquitination at Cys-11 is required for proper export from peroxisomes and recycling. Similarity: Belongs to the peroxisomal targeting signal receptor family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361204
NCBI GeneID	5830
NCBI Accession #	NP_000310.2
NCBI GenBank Nucleotide #	NM_000319.4
UniProt Accession #	P50542; Q15115; Q15266; Q96FN7; A8K891; B4DZ45; B7ZAD5; D3DUT8
Molecular Weight	Observed: 71 kDa Predicted: 71 kDa
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

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.