



Rabbit Anti-PEX5L antibody

SL12096R

Product Name:	PEX5L
Chinese Name:	过氧化物酶体生成蛋白5相关蛋白抗体
Alias:	Peroxin 5R; PEX5-related protein; Peroxin 5 related protein; Peroxisome biogenesis factor 5 like; PEX2 related protein; PEX5-like protein; PEX5R; Pex5Rp; PEX5R_HUMAN; PEX2-related protein; Peroxin-5-related protein; Pex5Rp; Peroxisome biogenesis factor 5-like; PXR2; PEX5R; PXR2B; PEX5RP; TRIP8b.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	70kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Peroxin 5R:101-200/626
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Peroxisomes are single-membrane bound organelles present in virtually all eukaryotic cells. They are involved in numerous catabolic and anabolic pathways, including beta-oxidation of very long chain fatty acids, metabolism of hydrogen peroxide, plasmalogen biosynthesis and bile acid synthesis. The Peroxin gene family, which

includes more than 20 members, is required for peroxisome biogenesis. Peroxin 5R, also known as PEX5-related protein or Peroxisome biogenesis factor 5-like, is a 626 amino acid protein that is mainly expressed in brain, with some expression in testis and pancreas. Peroxin 5R contains five TPR repeats, which enable protein-protein interactions and assembly of large multiprotein complexes. There are three isoforms of Peroxin 5R that are produced as a result of alternative splicing events. These isoforms bind C-terminal peroxisome-targeting signals in a similar manner to Peroxin-5. Peroxin 5R interacts with Rab 8b, possibly playing a role in vesicular trafficking and neurotransmitter release.

Function:

Belongs to the peroxisomal targeting signal receptor family. Contains 5 TPR repeats.

Subunit:

Interacts with RAB8B (By similarity). May interact with the C-terminal PTS1-type tripeptide peroxisomal targeting signal (SKL-type); the relevance of such interaction is however unclear.

Subcellular Location:

Cytoplasm. Membrane; Peripheral membrane protein.

Tissue Specificity:

Mainly expressed in brain. Also expressed in pancreas, testis and pituitary.

Similarity:

Belongs to the peroxisomal targeting signal receptor family.
Contains 5 TPR repeats.

SWISS:

Q8IYB4

Gene ID:

51555

Database links:

[Entrez Gene: 51555](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.