

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.

Research Area Neurobiology Channel protein The cell membrane 受体

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Human, Mouse, Rat,)

IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
(Paraffin sections need antigen repair)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 70kDa

Cellular localization cytoplasmic The cell membrane

Form 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

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

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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.

**Product
Detail**

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