

LRIT1 Rabbit pAb

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Catalog # AP57060

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9P2V4
Reactivity	Mouse
Predicted	Rat, Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68041
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LRIT1
Epitope Specificity	251-350/623
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Endoplasmic reticulum membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic β horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats contain a variable segment and a highly conserved segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif. The primary function of these motifs is to provide a versatile structural framework to mediate the formation of protein-protein interactions. LRRs are present in a variety of proteins with diverse structure and function, including innate immunity and nervous system development. Several human diseases are associated with mutations in genes encoding LRR-containing proteins. The leucine-rich repeat-containing protein 21 (LRRC21), also designated leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 1 (LRIT1) or PAL, is a 623 amino acid protein that contains 6 LRR repeats. LRRC21 is expressed in retina and may play a role in phototransduction.

Additional Information

Gene ID	26103
Other Names	Leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 1, Leucine-rich repeat-containing protein 21, Photoreceptor-associated LRR superfamily protein, Retina-specific protein PAL, LRIT1, LRRC21, PAL
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage

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

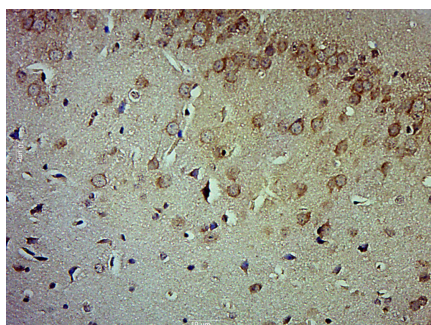
Protein Information

Name	LRIT1
Synonyms	LRRC21, PAL
Function	Photoreceptor synaptic protein essential for normal vision (By similarity). Involved in synapse formation in cone photoreceptor cells (By similarity).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:Q9JMH2}; Single-pass type I membrane protein {ECO:0000250 UniProtKB:Q9JMH2}. Cell projection, dendrite {ECO:0000250 UniProtKB:Q8K099}

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Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LRIT1) Polyclonal Antibody, Unconjugated (AP57060) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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