



Rabbit Anti-LRIT1 antibody

SL18358R

Product Name:	LRIT1
Chinese Name:	LRIT1蛋白抗体
Alias:	DKFZP434K091; Fibronectin type III, immunoglobulin and leucine rich repeat domains 9; FIGLER9; immunoglobulin-like domain and transmembrane domain-containing protein 1; Leucine-rich repeat; Leucine-rich repeat, immunoglobulin-like and transmembrane domains 1; Leucine-rich repeat-containing protein 21; Lrit1; LRIT1_HUMAN; LRRC21; PAL; Photoreceptor-associated LRR superfamily protein; Retina-specific protein PAL.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,
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:	66kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LRIT1:251-350/623
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:	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.

Function:

Possible role in phototransduction.

Subcellular Location:

Endoplasmic reticulum membrane.

Similarity:

Contains 1 fibronectin type-III domain.

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 6 LRR (leucine-rich) repeats.

Contains 1 LRRCT domain.

Contains 1 LRRNT domain.

SWISS:

Q9P2V4

Gene ID:

26103

Database links:

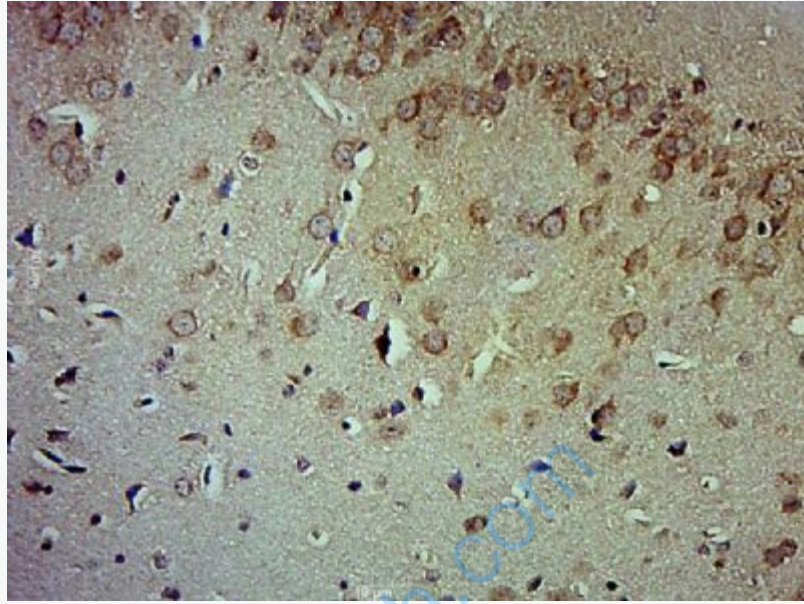
[Entrez Gene: 26103](#) Human

[SwissProt: Q9P2V4](#) Human

[Unigene: 226000](#) Human

Important Note:

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



Picture:

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 (SL18358R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.