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LRIT3 Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI15877

Product Information

Application	WB
Primary Accession	Q3SXY7
Reactivity	Human, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74754

Additional Information

Gene ID	345193
Other Names	Leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 3, LRIT3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-LRIT3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	LRIT3 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LRIT3
Function	Plays a role in the synapse formation and synaptic transmission between cone photoreceptor cells and retinal bipolar cells (By similarity). Required for normal transmission of a light-evoked stimulus from the cone photoreceptor cells to the ON-bipolar cells and ON-ganglion cells in the inner retina (PubMed:28334377). Required in retinal ON-bipolar cells for normal localization of the cation channel TRPM1 at dendrite tips (By similarity). Seems to play a specific role in synaptic contacts made by ON-bipolar cells with cone photoreceptor pedicles (By similarity). May also have a role in cone synapse formation (By similarity). Might facilitate FGFR1 exit from the endoplasmic reticulum to the Golgi (PubMed:22673519). Could be a regulator of the FGFRs (PubMed:22673519). Cell projection, dendrite. Perikaryon {ECO:0000250|UniProtKB:W8DXL4}.

Cellular Location	Endoplasmic reticulum membrane; Single-pass type I membrane protein Note=Punctate expression at dendrite tips
Tissue Location	Detected in the outer plexiform layer (OPL) of the retina where it localizes to ON-bipolar cells (at protein level)

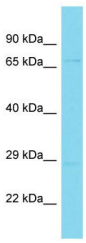
Background

Might facilitate FGFR1 exit from the endoplasmic reticulum to the Golgi. Could be a regulator of the FGFRs.

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Kim S.D.,et al.FEBS Lett. 586:1516-1521(2012).
Zeitz C.,et al.Am. J. Hum. Genet. 92:67-75(2013).

Images



Host: Rabbit
Target Name: LRIT3
Sample Tissue: MCF7 Whole cell lysate
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Antibody Dilution: 1.0µg/ml