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LRIT3 Antibody (clone 3E7)

Mouse Monoclonal Antibody

Catalog # ALS13510

Specification

LRIT3 Antibody (clone 3E7) - Product Information

Application	**IHC**
Primary Accession	Q3SXY7
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**75kDa KDa**

LRIT3 Antibody (clone 3E7) - Additional Information

Gene ID 345193

Other Names
Leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 3, LRIT3

Reconstitution & Storage
Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions
LRIT3 Antibody (clone 3E7) is for research use only and not for use in diagnostic or therapeutic procedures.

LRIT3 Antibody (clone 3E7) - 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).

Cellular Location
Cell projection, dendrite. Perikaryon {ECO:0000250|UniProtKB:W8DXL4}. Endoplasmic reticulum membrane; Single-pass type I membrane protein Note=Punctate expression at dendrite tips

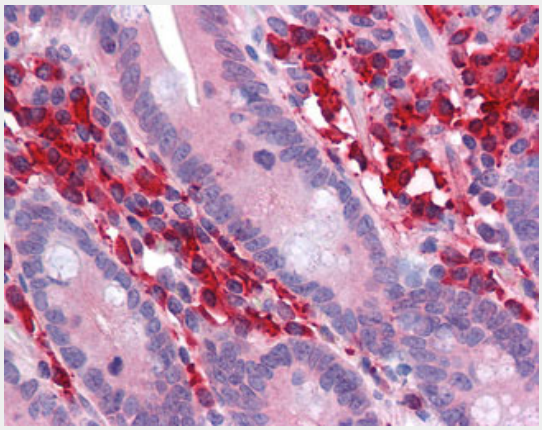
Tissue Location
Detected in the outer plexiform layer (OPL) of the retina where it localizes to ON-bipolar cells (at protein level)

LRIT3 Antibody (clone 3E7) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LRIT3 Antibody (clone 3E7) - Images



Anti-LRIT3 antibody IHC of human small intestine.

LRIT3 Antibody (clone 3E7) - Background

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

LRIT3 Antibody (clone 3E7) - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).
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Kim S.D.,et al.FEBS Lett. 586:1516-1521(2012).
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