

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

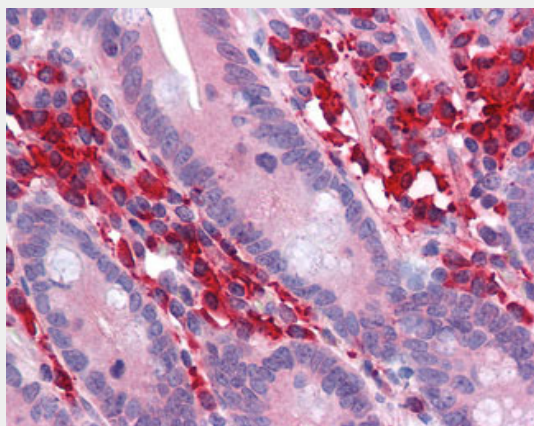
Tissue Location

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 Cytometry](#)
- [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).
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).