10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Nyctalopin Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58193

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9GZU5
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51470

Additional Information

Gene ID	60506
Other Names	Nyctalopin, NYX, CLRP
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	NYX
Function	Required for normal vision. Is a critical factor for light- induced depolarization of retinal ON-bipolar cells, likely acting as a scaffold for TRPM1 and GRM6. Required for TRPM1 trafficking to dendritic tips of ON-bipolar cells.
Cellular Location	Secreted, extracellular space, extracellular matrix. Cell projection, dendrite {ECO:0000250|UniProtKB:P83503}. Postsynapse {ECO:0000250|UniProtKB:P83503}. Note=In the retina, localized postsynaptically at the dendritic tips of ON-bipolar cells {ECO:0000250|UniProtKB:P83503}
Tissue Location	Expressed in kidney and retina. Also at low levels in brain, testis and muscle. Within the retina, expressed in the inner segment of photoreceptors, outer and inner nuclear layers and the ganglion cell layer.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.