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

(DANRE) opn4l Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21639c

Product Information

Application	WB, E
Primary Accession	Q1JPS6
Reactivity	Zebrafish
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53160
Calculated MW	54490

Additional Information

Gene ID	352918
Other Names	Melanopsin-like, Melanopsin, Opsin-4-like, opn4l, opn4c, opn4m2
Target/Specificity	This DANRE opn4l antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 255-288 amino acids from the Central region of DANRE opn4l.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	(DANRE) opn4l Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	opn4l
Synonyms	opn4c, opn4m2
Function	G protein-coupled photoreceptor implicated in non-image- forming responses to light (By similarity). Activation occurs when opsin-bound cis-retinal chromophore absorbs a photon and isomerizes to all-trans-retinal, inducing a conformational change in the opsin that triggers a G

	protein-mediated phototransduction cascade (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q9QXZ9}; Multi-pass membrane protein
Tissue Location	Expressed in a subset of retinal horizontal cells.

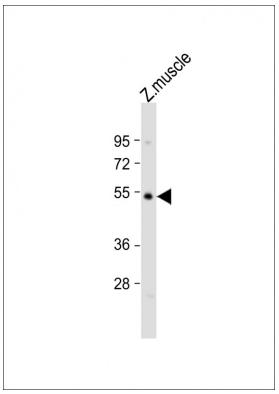
Background

Photoreceptor implicated in non-image-forming responses to light.

References

Bellingham J.,et al.Brain Res. Mol. Brain Res. 107:128-136(2002).

Images



Anti-opn4l Antibody (Center) at 1:2000 dilution + zebrafish muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 54 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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