

Rabbit anti-Zebrafish opn1sw1 Polyclonal Antibody | anti-opn1sw1 antibody

(DANRE) opn1sw1 Antibody (N-Term)

CATALOG # AAA288793	HOST Rabbit	REACTIVITY Zebrafish	APPLICATIONS ELISA, Western Blot
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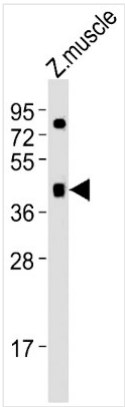
PRODUCT SYNONYMS

opn1sw1; Polyclonal Antibody; (DANRE) opn1sw1 Antibody (N-Term); Opsin-1; short-wave-sensitive 1; Opsin SWS-1; Ultraviolet cone photoreceptor pigment; Ultraviolet-sensitive opsin; opn1sw2; sws1; uvops; anti-opn1sw1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Zebrafish
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This DANRE opn1sw1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 15-47 amino acids from the human region of DANRE opn1sw1.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	336
Applicable Applications for anti-opn1sw1 antibody	ELISA, WB (Western Blot)
Cellular Location	Membrane; Multi-pass membrane protein.
Tissue Location	Retinal short single cones, outer and inner segments.
Preparation and 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.

IMAGES



WB (Western Blot)
Anti-(DANRE) opn1sw1 Antibody (N-Term) at 1:2000 dilution + zebrafish muscle lysates
Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 37 kDa
Blocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-opn1sw1 antibody	Visual pigments are the light-absorbing molecules that mediate vision. They consist of an apoprotein, opsin, covalently linked to cis-retinal.
References	Vihtelic T.S.,et al.Vis. Neurosci. 16:571-585(1999). Chinen A.,et al.Genetics 163:663-675(2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	18859533
NCBI GeneID	30582
NCBI Accession #	NP_571394.1
NCBI GenBank Nucleotide #	NM_131319.1
UniProt Accession #	Q9W6A9; Q8AYM5
NCBI Official Full Name	opsin-1, short-wave-sensitive 1
NCBI Official Synonym Full Names	opsin 1 (cone pigments), short-wave-sensitive 1
NCBI Official Symbol	opn1sw1
NCBI Official Synonym Symbols	SWS1; zfuv; uvops; opn1sw2
NCBI Protein Information	opsin-1, short-wave-sensitive 1
UniProt Protein Name	Opsin-1, short-wave-sensitive 1
UniProt Gene Name	opn1sw1
UniProt Synonym Gene Names	opn1sw2; sws1; uvops; Opsin SWS-1
UniProt Entry Name	OP1S1_DANRE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.