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# (DANRE) opn1sw2 Antibody (C-Term)

**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # Azb21565b**

## Specification

### (DANRE) opn1sw2 Antibody (C-Term) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | Q9W6A8 |
| Reactivity | **Zebrafish** |
| Host | **Rabbit** |
| Clonality | **polyclonal** |
| Isotype | **Rabbit IgG** |
| Antigen Region | **242-276** |

### (DANRE) opn1sw2 Antibody (C-Term) - Additional Information

**Gene ID** 30435

**Other Names**
Opsin-1, short-wave-sensitive 2, Blue cone photoreceptor pigment, Blue-sensitive opsin, Opsin SWS-2, opn1sw2, bluops, opn1sw1, sws2

**Target/Specificity**
This DANRE opn1sw2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 242-276 amino acids of DANRE opn1sw2.

**Dilution**
WB~~1:2000

**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) opn1sw2 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

### (DANRE) opn1sw2 Antibody (C-Term) - Protein Information

**Name** opn1sw2

**Synonyms** bluops, opn1sw1, sws2

**Function** Visual pigments are the light-absorbing molecules that mediate vision. They consist of

an apoprotein, opsin, covalently linked to cis-retinal.

**Cellular Location**
Membrane; Multi-pass membrane protein.

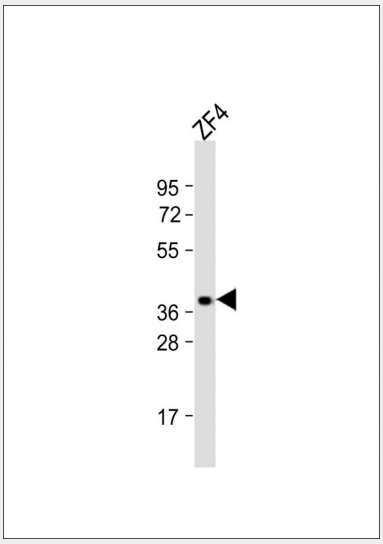
**Tissue Location**
Retinal long single cone outer segments.

## (DANRE) opn1sw2 Antibody (C-Term) - 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

## (DANRE) opn1sw2 Antibody (C-Term) - Images




Anti-opn1sw2 Antibody (C-Term)at 1:2000 dilution + ZF4 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## (DANRE) opn1sw2 Antibody (C-Term) - Background

Visual pigments are the light-absorbing molecules that mediate vision. They consist of an apoprotein, opsin, covalently linked to cis-retinal.

## (DANRE) opn1sw2 Antibody (C-Term) - References

Vihtelic T.S.,et al.Vis. Neurosci. 16:571-585(1999).
Chinen A.,et al.Genetics 163:663-675(2003).
Howe K.,et al.Nature 496:498-503(2013).

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**(DANRE) opn1sw2 Antibody (C-Term) - Citations**

- Silver nanoparticles affect lens rather than retina development in zebrafish embryos.