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# (DANRE) opn1sw1 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21179a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q9W6A9 |
| **Reactivity** | Zebrafish |
| **Host** | Rabbit |
| **Clonality** | polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB52074 |
| **Calculated MW** | 37268 |

## Additional Information

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| **Gene ID** | 30582 |
| **Other Names** | Opsin-1, short-wave-sensitive 1, Opsin SWS-1, Ultraviolet cone photoreceptor pigment, Ultraviolet-sensitive opsin, opn1sw1, opn1sw2, sws1, uvops |
| **Target/Specificity** | This DANRE opn1sw1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 15-47 amino acids of DANRE opn1sw1. |
| **Dilution** | WB~~1:2000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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) opn1sw1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | opn1sw1 |
| **Synonyms** | opn1sw2, sws1, uvops |
| **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 short single cones, outer and inner segments.

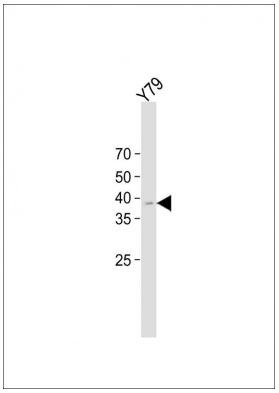
## Background

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).

## Images




All lanes: Anti-(DANRE) opn1sw1 Antibody (N-Term) at 1:500 dilution + Y79 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 37 KDa Blocking/Dilution buffer: 5% NFDM/TBST.