

opn1sw1[UV] Rabbit pAb

Catalog No.: A20521

Basic Information

Observed MW

Refer to figures

Calculated MW

Category

Primary antibody

Applications

WB,ELISA

Cross-Reactivity

Danio rerio

Background

Predicted to enable G protein-coupled photoreceptor activity. Predicted to be involved in G protein-coupled receptor signaling pathway; cellular response to light stimulus; and phototransduction. Predicted to act upstream of or within protein-chromophore linkage; signal transduction; and visual perception. Predicted to be located in membrane. Predicted to be integral component of membrane. Predicted to be active in photoreceptor outer segment. Predicted to be integral component of plasma membrane. Is expressed in several structures, including digestive system; endocrine system; heart; photoreceptor cell; and visual system. Human ortholog(s) of this gene implicated in blue color blindness. Orthologous to human OPN1SW (opsin 1, short wave sensitive).

Recommended Dilutions

WB 1:500 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

30582

Swiss Prot

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

SWS1; zfuv; uvops; opn1sw2; opn1sw1[UV]

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.