

Datasheet for ABIN7540579
anti-OPN1SW antibody (N-Term)



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Overview

Quantity:	25 µL
Target:	OPN1SW
Binding Specificity:	N-Term
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This OPN1SW antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	S Opsin Antibody
Immunogen:	Anti-S Opsin antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding to a N-terminal portion of mouse S Opsin conjugated to Keyhole Limpet Hemocyanin (KLH).
Isotype:	IgG
Cross-Reactivity (Details):	This affinity purified antibody is directed against mouse S Opsin.
Purification:	The product was affinity purified from monospecific antiserum by immunoaffinity purification.
Sterility:	Sterile filtered

Target Details

Target:	OPN1SW
Alternative Name:	Opn1sw (OPN1SW Products)
Background:	<p>Goat Anti-Short-wave-sensitive opsin 1 Antibody, S opsin, Blue cone photoreceptor pigment, Blue-sensitive opsin, BOP, Short wavelength-sensitive cone opsin, Bcp, Opn1sw, Short-wave-sensitive opsin 1 belongs to the G-protein coupled receptor 1 family, opsin subfamily. It encodes the blue cone pigment gene which is one of three types of cone photoreceptors responsible for normal color vision. Visual pigments are the light-absorbing molecules that mediate vision. They consist of an apoprotein, opsin, covalently linked to cis-retinal. Required for the maintenance of cone outer segment organization in the ventral retina, but not essential for the maintenance of functioning cone photoreceptors. Involved in ensuring correct abundance and localization of retinal membrane proteins. May increase spectral sensitivity in dim light. Defects in this gene are the cause of tritan color blindness (tritanopia). Affected individuals lack blue and yellow sensory mechanisms while retaining those for red and green. Defective blue vision is characteristic. Anti-S Ospin Antibody is useful for researchers interested in Color Blindness, Metabolism of fat-soluble vitamins, and Peptide ligand-binding receptors.</p>
Gene ID:	12057
NCBI Accession:	NP_031564
UniProt:	P51491

Application Details

Application Notes:	ELISA_Dilution: 1:10,000-1:50,000 Immunohistochemistry_Dilution: 1:100
Comment:	Suggested Applications: IF Anti-S Ospin Antibody has been tested in ELISA and IHC. Expect a band at ~39kDa in western blot using appropriate tissues and lysates. Positive control used: Mouse eye tissue in Immunohistochemistry.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None

Handling

Preservative: 0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiry Date: 12 months