Datasheet for ABIN351175

anti-Trpl antibody (4th Cytoplasmic Loop)

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Overview

Quantity:	500 µg
Target:	Trpl
Binding Specificity:	4th Cytoplasmic Loop
Reactivity:	Drosophila melanogaster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Trpl antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	A synthetic peptide from 4th cytoplasmic loop of drosophila TRPL (Transient receptor potential like protein) conjugated to blue carrier protein was used as the antigen.
Isotype:	IgG
Specificity:	Specific for TRPL.
Cross-Reactivity:	Drosophila melanogaster
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

Target Details

Target:	Trpl

Target Details

Alternative Name:	TRPL (Trpl Products)
Background:	FUNCTION: A light-sensitive calcium channel that is required for inositide-mediated Ca(2+) entry in the retina during phospholipase C (PLC)-mediated phototransduction. Required for vision in the dark and in dim light. Binds calmodulin. Trp and trpl act together in the light response, although it is unclear whether as heteromultimers or distinct units. Also forms a functional cation channel with trp-gamma. Activated by fatty acids, metabolic stress, inositols and GTP-binding proteins. SUBUNIT: Forms heteromultimers with trp-gamma and, to a lower extent, with trp. Interacts with FKBP59 in vivo and is found in the inaD signaling complex. SUBCELLULAR LOCATION: Membrane, Multi-pass membrane protein. Note: In the dark, there is 20 fold more rhabdomeral trpl protein forming plasma membrane channels than in the light. In the light, the protein translocates to an intracellular compartment. Protein levels remain unchanged in light and dark conditions.,Drosophila TRP,Transient receptor potential like protein, Transient-receptor-potential-like protein
UniProt:	P48994
Pathways:	Sensory Perception of Sound, Phototransduction

Application Details

Application Notes:	IHC, WB. A concentration of 10-50 µg,ml is recommended. The optimal concentration should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months