



RP2 Mouse mAb

Catalog No	YP-mAb-19088
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RP2
Immunogen	Synthesized peptide derived from human RP2
Specificity	This antibody detects endogenous levels of RP2 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DELXp11.3;KIAA0215;Protein XRP2;RP2;TBCCD2
Observed Band	37-40 kDa
Calculated Molecular Weight	350 aa, 40 kDa
Cell Pathway	Cell membrane ; Lipid-anchor ; Cytoplasmic side . Cell projection, cilium . Detected predominantly at the plasma membrane of rod and cone photoreceptors. Not detected in the nucleus. .
Tissue Specificity	Ubiquitous. Expressed in the rod and cone photoreceptors, extending from the tips of the outer segment (OS) through the inner segment (IS) and outer nuclear layer (ONL) and into the synaptic terminals of the outer plexiform layer (ONL). Also detected in the bipolar, horizontal and amacrine cells in the inner nuclear layer (INL), extending to the inner plexiform layer (IPL) and through the ganglion cell layer (GCL) and into the nerve fiber layer (NFL) (at protein level).
Function	Acts as a GTPase-activating protein (GAP) involved in trafficking between the Golgi and the ciliary membrane. Involved in localization of proteins, such as NPHP3, to the cilium membrane by inducing hydrolysis of GTP ARL3, leading to the release of UNC119 (or UNC119B). Acts as a GTPase-activating protein (GAP) for tubulin in concert with tubulin-specific chaperone C, but does not enhance tubulin heterodimerization. Acts as guanine nucleotide dissociation



inhibitor towards ADP-ribosylation factor-like proteins.

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images