

Anti-Melanopsin antibody



Description	Rabbit polyclonal to Melanopsin.
Model	STJ94094
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, WB
Immunogen	Synthesized peptide derived from human Melanopsin
Immunogen Region	400-480 aa, C-terminal
Gene ID	94233
Gene Symbol	OPN4
Dilution range	WB 1:500-1:2000IF 1:200-1:1000ELISA 1:5000
Specificity	Melanopsin Polyclonal Antibody detects endogenous levels of Melanopsin protein.
Tissue Specificity	Eye. Expression is restricted within the ganglion and amacrine cell layers of the retina.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Melanopsin Opsin-4
Molecular Weight	53 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:14449OMIM:606665
Alternative Names	Melanopsin Opsin-4
Function	Photoreceptor required for regulation of circadian rhythm. Contributes to pupillar reflex and other non-image forming responses to light. May be able to isomerize covalently bound all-trans retinal back to 11-cis retinal .
Cellular Localization	Cell membrane. Found in soma, dendrites and proximal part of axons of certain retinal ganglion cells.

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