

## Anti-Melanopsin antibody



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

<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:14449OMIM:606665</a>
<b>Alternative Names</b>	Melanopsin Opsin-4
<b>Function</b>	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 .
<b>Cellular Localization</b>	Cell membrane. Found in soma, dendrites and proximal part of axons of certain retinal ganglion cells.

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