

Melanopsin Polyclonal Antibody
Catalog # AP70912**Specification**

Melanopsin Polyclonal Antibody - Product Information

Application	WB, IF
Primary Accession	Q9UHM6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

Melanopsin Polyclonal Antibody - Additional Information**Gene ID** 94233**Other Names**

OPN4; MOP; Melanopsin; Opsin-4

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.

IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Melanopsin Polyclonal Antibody - Protein Information**Name** OPN4**Synonyms** MOP**Function**

Photoreceptor that binds cis-retinaldehydes (PubMed:15674244). Contributes to pupillar reflex, photoentrainment and other non-image forming responses to light (By similarity). May be involved in the optokinetic visual tracking response (By similarity). May be involved in the regulation of retinal hyaloid vessel growth and regression (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q9QXZ9}; Multi-pass membrane protein. Cell projection, axon {ECO:0000250|UniProtKB:Q9QXZ9}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q9QXZ9}. Perikaryon {ECO:0000250|UniProtKB:Q9QXZ9}

Tissue Location

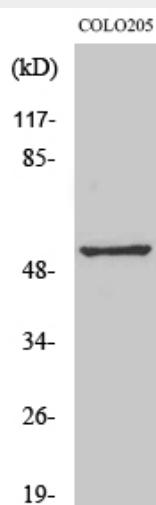
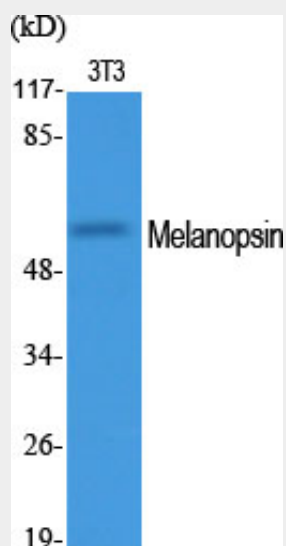
Expressed in the retina.

Melanopsin Polyclonal Antibody - Protocols

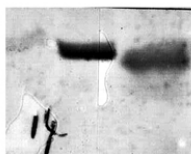
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

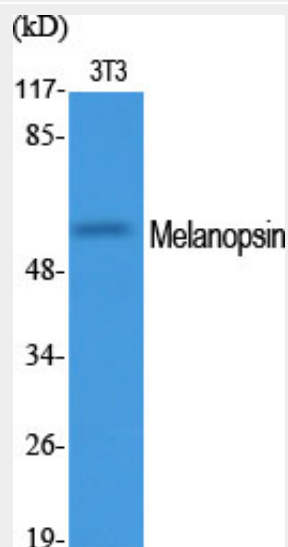
Melanopsin Polyclonal Antibody - Images



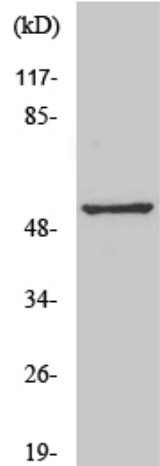
colo 3T3

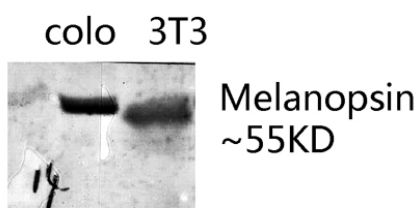


Melanopsin
~55KD



COLO205





Melanopsin Polyclonal Antibody - Background

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 (By similarity).