

Anti-Melanopsin Antibody
Rabbit polyclonal antibody to Melanopsin
Catalog # AP59887**Specification**

Anti-Melanopsin Antibody - Product Information

Application	WB
Primary Accession	Q9UHM6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52635

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

MOP; Melanopsin; Opsin-4

Target/Specificity

Recognizes endogenous levels of Melanopsin protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-Melanopsin 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}

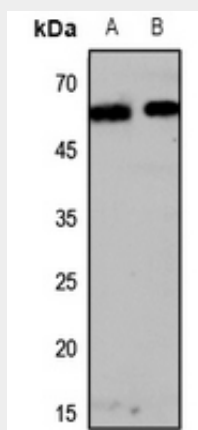
Tissue Location

Expressed in the retina.

Anti-Melanopsin 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](#)

Anti-Melanopsin Antibody - Images

Western blot analysis of Melanopsin expression in HEK293T (A), HeLa (B) whole cell lysates.

Anti-Melanopsin Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Melanopsin. The exact sequence is proprietary.