

## Product datasheet

# Anti-Melanopsin antibody ab19383

[5 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Anti-Melanopsin antibody
<b>Description</b>	Rabbit polyclonal to Melanopsin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-Fr, IHC-P, WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide corresponding to Rat Melanopsin aa 455-474. Sequence: EQKSKTPKTKRHLPSLDRRM

 [Run BLAST with](#)

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### General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab19383 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 52 kDa. Not recommended for the detection of endogenously expressed protein.
ICC/IF		Use a concentration of 5 µg/ml.

## Target

<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>Tissue specificity</b>	Eye. Expression is restricted within the ganglion and amacrine cell layers of the retina.
<b>Sequence similarities</b>	Belongs to the G-protein coupled receptor 1 family. Opsin subfamily.
<b>Cellular localization</b>	Cell membrane. Found in soma, dendrites and proximal part of axons of certain retinal ganglion cells.

## Images



Immunofluorescence staining of melanopsin in rat retinal ganglion cells using ab19383.

Immunocytochemistry/ Immunofluorescence - Anti-Melanopsin antibody (ab19383)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you

- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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