# abcam

### Product datasheet

## Anti-Melanopsin antibody ab 19383

**5 References** 1 Image

Overview

Product name Anti-Melanopsin antibody

**Description** Rabbit polyclonal to Melanopsin

Host species Rabbit

**Tested applications** Suitable for: IHC-Fr, IHC-P, WB, ICC/IF

Species reactivity Reacts with: Mouse, Rat, Human

**Immunogen** Synthetic peptide corresponding to Rat Melanopsin aa 455-474.

Sequence:

**EQKSKTPKTKRHLPSLDRRM** 

Run BLAST with
Run BLAST with

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** 

Form Liquid

**Storage instructions** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer** Preservative: 0.05% Sodium azide

Constituents: PBS, 0.1% BSA

Purity Immunogen affinity purified

**Clonality** Polyclonal

**Isotype** IgG

**Applications** 

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

1

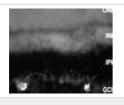
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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**

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

#### **Images**



Immunocytochemistry/ Immunofluorescence - Anti-Melanopsin antibody (ab19383) Immunofluorescence staining of melanopsin in rat retinal ganglion cells using ab19383.

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

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- Replacement or refund for products not performing as stated on the datasheet
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• We investigate all quality concerns to ensure our products perform to the highest standards

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