

Anti-Melatonin Receptor 1a Antibody
Rabbit polyclonal antibody to Melatonin Receptor 1a
Catalog # AP60190**Specification**

Anti-Melatonin Receptor 1a Antibody - Product Information

Application	WB
Primary Accession	P48039
Other Accession	Q61184
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39375

Anti-Melatonin Receptor 1a Antibody - Additional Information**Gene ID** 4543**Other Names**

Melatonin receptor type 1A; Mel-1A-R; Mel1a receptor

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Melatonin Receptor 1a. The exact sequence is proprietary.

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-Melatonin Receptor 1a Antibody - Protein Information**Name** MTNR1A**Function**

High affinity receptor for melatonin. Likely to mediate the reproductive and circadian actions of melatonin. The activity of this receptor is mediated by pertussis toxin sensitive G proteins that inhibit adenylate cyclase activity. Possibly involved in sleep induction, by melatonin activation of the potassium channel KCNMA1/BK and the dissociation of G-beta and G-gamma subunits, thereby decreasing synaptic transmission (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein.

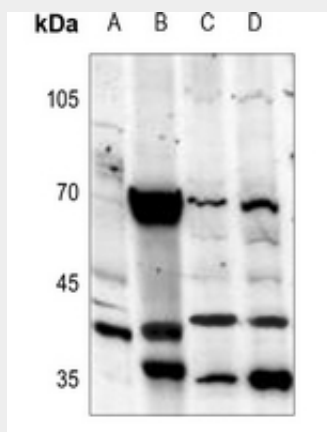
Tissue Location

Expressed in hypophyseal pars tuberalis and hypothalamic suprachiasmatic nuclei (SCN).
Hippocampus

Anti-Melatonin Receptor 1a 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-Melatonin Receptor 1a Antibody - Images

Western blot analysis of Melatonin Receptor 1a expression in mouse brain (A), rat kidney (B), HEK293T (C), HCT116 (D) whole cell lysates.

Anti-Melatonin Receptor 1a Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Melatonin Receptor 1a. The exact sequence is proprietary.