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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
Recognizes endogenous levels of Melatonin Receptor 1a 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-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.

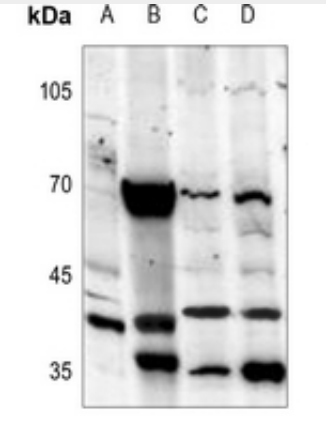
Tissue Location
Expressed in hypophyseal pars tuberalis and hypothalamic suprachiasmatic nuclei (SCN).
Hippocampus

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 Cytomety
- 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.