

MTNR1A antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14685**Specification**

MTNR1A antibody - C-terminal region - Product Information

Application	WB
Primary Accession	P48039
Other Accession	NM_005958 , NP_005949
Reactivity	Human, Rabbit, Goat, Sheep, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Sheep, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 39kDa KDa

MTNR1A antibody - C-terminal region - Additional Information**Gene ID** 4543

Alias Symbol	MEL-1A-R, MT1
Other Names	
Melatonin receptor type 1A, Mel-1A-R, Mel1a receptor, MTNR1A	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-MTNR1A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

MTNR1A antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

MTNR1A antibody - C-terminal region - 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.

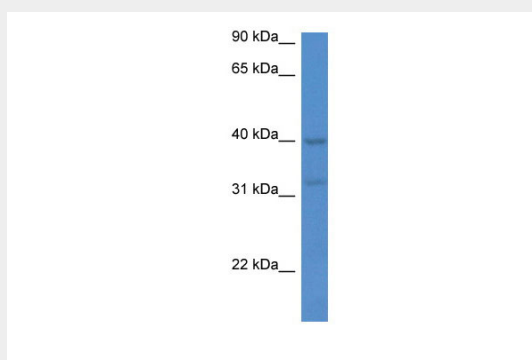
Tissue Location

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

MTNR1A antibody - C-terminal region - Protocols

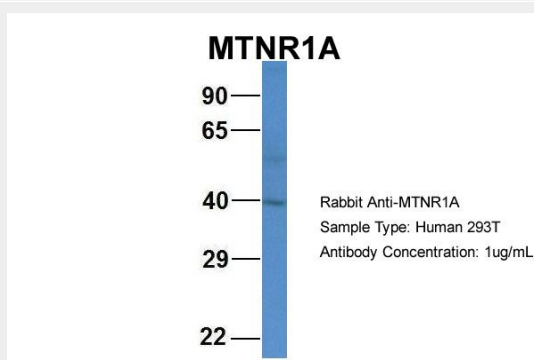
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MTNR1A antibody - C-terminal region - Images

WB Suggested Anti-MTNR1A Antibody Titration: 1.0 µg/ml

Positive Control: Jurkat Whole Cell



Host: Rabbit

Target Name: HIRIP3

Sample Tissue: 293T

Antibody Dilution: 1.0µg/ml

MTNR1A antibody - C-terminal region - References

Reppert S.M., et al. Neuron 13:1177-1185(1994).

Ebisawa T., et al. Biochem. Biophys. Res. Commun. 262:832-837(1999).

Huang Y.-H., et al. Submitted (DEC-2007) to the EMBL/GenBank/DDBJ databases.