10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MTNR1A antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14685

Product Information

Application	WB
Primary Accession	P48039
Other Accession	NM_005958, NP_005949
Reactivity	Human, Rabbit, Goat, Dog, Guinea Pig, Horse, Bovine, Sheep
Predicted	Human, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39375

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.

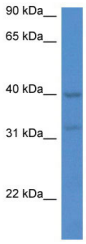
Protein Information

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

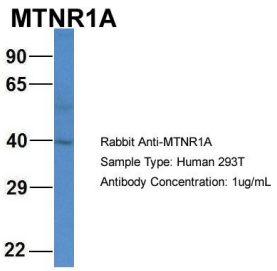
References

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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.