10320 Camino Santa Fe, Suite G
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MTR1B Antibody
Affinity-Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50045

Specification

MTR1B Antibody - Product Information

Application	**WB**
Primary Accession	P49286
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**40 KDa**
Antigen Region	**21-50**

MTR1B Antibody - Additional Information

Gene ID 4544

Other Names
Melatonin receptor type 1B, Mel-1B-R, Mel1b receptor, MTNR1B

Dilution
WB~~ 1:1000

Format
Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions
-20℃

MTR1B Antibody - Protein Information

Name MTNR1B

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.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location
Expressed in retina and less in brain and hippocampus.

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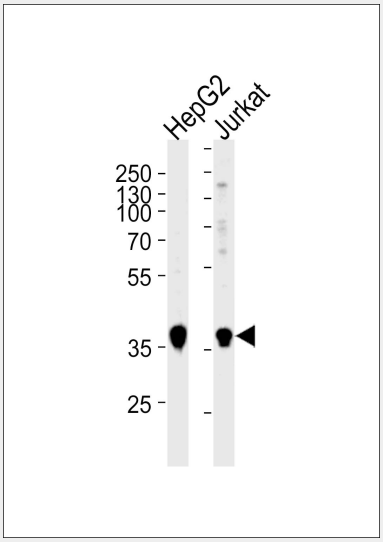
MTR1B Antibody - Protocols

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

MTR1B Antibody - Images



Western blot analysis of lysates from HepG2,Jurkat cell line (from left to right),using MTR1B Antibody(G399). G399 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

MTR1B Antibody - Background

High affinity receptor for melatonin. Likely to mediates 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.

MTR1B Antibody - References

Reppert S.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 92:8734-8738(1995).
Ebisawa T.,et al.Neurosci. Lett. 280:29-32(2000).
King M.M.,et al.Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.