

Product Name: MEL-1B-R Rabbit Polyclonal Antibody
Catalog #: APRab13813



Summary

Production Name	MEL-1B-R Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MTNR1B
Alternative Names	MTNR1B; Melatonin receptor type 1B; Mel-1B-R; Mel1b receptor
Gene ID	4544.0
SwissProt ID	P49286.The antiserum was produced against synthesized peptide derived from human MTR1B. AA range:301-350

Application

Dilution Ratio	WB 1:500-2000, IHC-P 1:50-300
Molecular Weight	40kDa

Background

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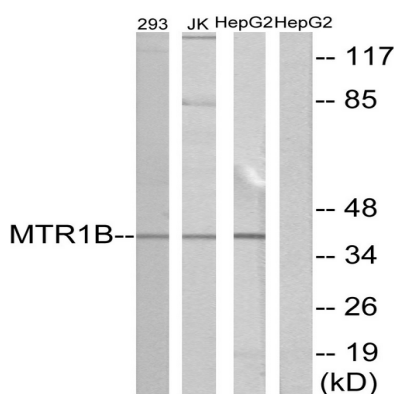


This gene encodes one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal gland. This gene product is an integral membrane protein that is a G-protein coupled, 7-transmembrane receptor. It is found primarily in the retina and brain although this detection requires RT-PCR. It is thought to participate in light-dependent functions in the retina and may be involved in the neurobiological effects of melatonin. [provided by RefSeq, Jul 2008],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.,online information:Melatonin receptor entry,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed in retina and less in brain and hippocampus.,

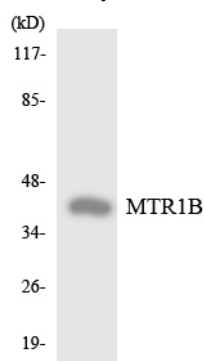
Research Area

Neuroactive ligand-receptor interaction;

Image Data

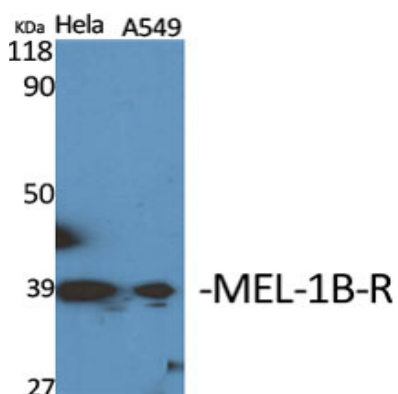


Western blot analysis of lysates from 293, Jurkat, and HepG2 cells, using MTR1B Antibody. The lane on the right is blocked with the synthesized peptide.

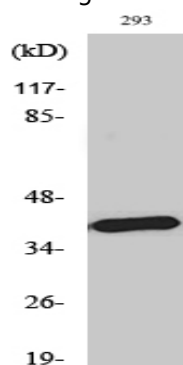


Western blot analysis of the lysates from HeLa cells using MTR1B antibody.

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Western Blot analysis of various cells using MEL-1B-R Polyclonal Antibody diluted at 1: 1000



Western Blot analysis of HepG2 cells using MEL-1B-R Polyclonal Antibody diluted at 1: 1000

Note

For research use only.