



MEL-1B-R rabbit pAb

Cat No.:ES2776

For research use only

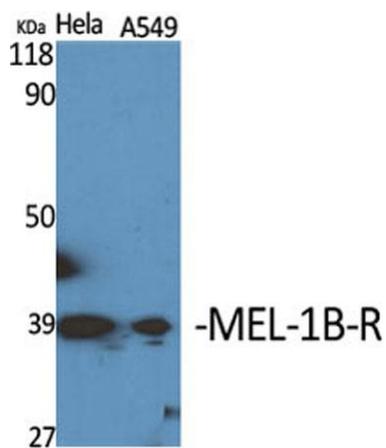
Overview

Product Name	MEL-1B-R rabbit pAb
Host species	Rabbit
Applications	WB;IHC
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300
Immunogen	The antiserum was produced against synthesized peptide derived from human MTR1B. AA range:301-350
Specificity	MEL-1B-R Polyclonal Antibody detects endogenous levels of MEL-1B-R protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Melatonin receptor type 1B
Gene Name	MTNR1B
Cellular localization	Cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	40kD
Human Gene ID	4544
Human Swiss-Prot Number	P49286
Alternative Names	MTNR1B; Melatonin receptor type 1B; Mel-1B-R; Mel1b receptor
Background	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

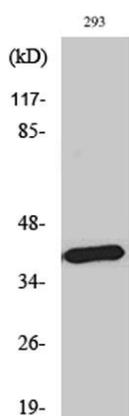




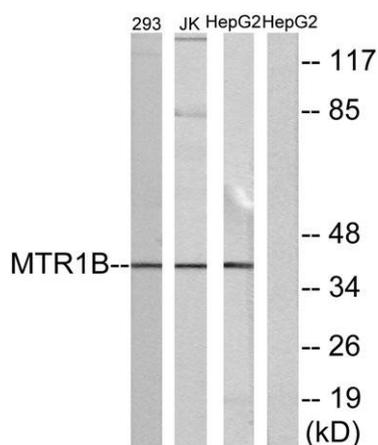
participate in light-dependent functions in the retina and may be involved in the neurobiological effects of melatonin. [provided by RefSeq, Jul 2008],



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

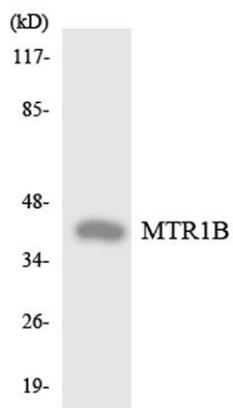


Western blot analysis of lysates from 293, Jurkat, and HepG2 cells, using MTR1B Antibody. The lane on the right is blocked with the synthesized peptide.





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



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