

## MEL-1B-R Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05361
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MTR1B. AA range:301-350
<b>Mol wt</b>	40188
<b>Species reactivity</b>	Human
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	MEL-1B-R Antibody
<b>Synonyms</b>	MTNR1B; Melatonin receptor type 1B; Mel-1B-R; Mel1b receptor

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

MTNR1B encodes one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal gland. Melatonin receptor type 1B 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.

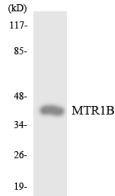
### Recommended Dilution

WB: 1: 500 - 1: 2000

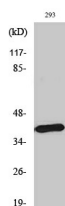
ELISA: 1: 5000

Not yet tested in other applications.

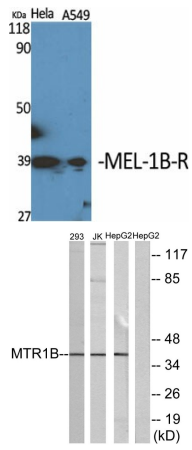
### Images



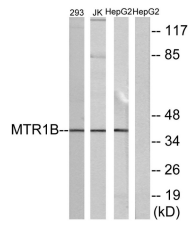
Western blot analysis of the lysates from HeLa cells using MTR1B antibody.



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



Western Blot analysis of various 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.

**Storage**

-20°C for one year

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