



# MEL-1B-R Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-13413                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reactivity</b>         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>       | WB;IHC                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>          | MTNR1B                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Name</b>       | Melatonin receptor type 1B                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human MTR1B. AA range:301-350                                                                                                                                                                                                                                                                                                                                      |
| <b>Specificity</b>        | MEL-1B-R Polyclonal Antibody detects endogenous levels of MEL-1B-R protein.                                                                                                                                                                                                                                                                                                                                                            |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                  |
| <b>Dilution</b>           | WB 1:500-2000;IHC-p 1:50-300                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>           | MTNR1B; Melatonin receptor type 1B; Mel-1B-R; Mel1b receptor                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Observed Band</b>      | 40kD                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cell Pathway</b>       | Cell membrane; Multi-pass membrane protein.                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Tissue Specificity</b> | Expressed in retina and less in brain and hippocampus.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Function</b>           | 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., |
| <b>Background</b>         | 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                                                                                                     |

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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],

**matters needing attention**

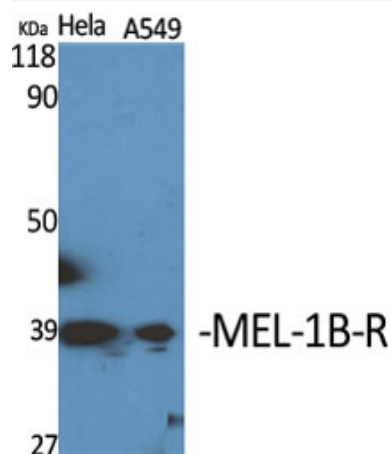
Avoid repeated freezing and thawing!

**Usage suggestions**

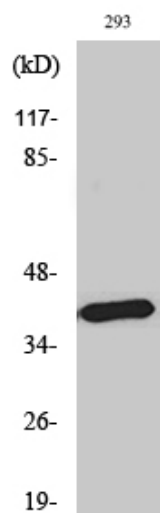
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



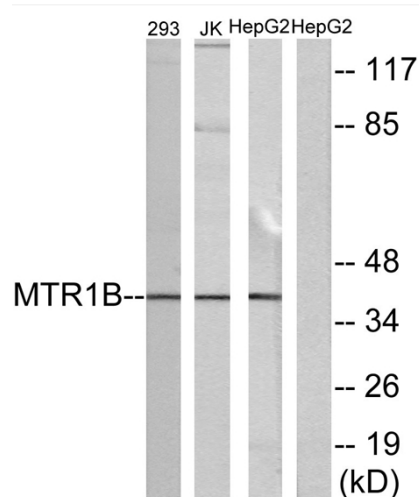
## Products Images



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



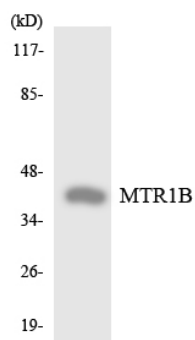
Western blot analysis of lysates from 293, Jurkat, and HepG2 cells, using MTR1B Antibody. The lane on the right is blocked with the synthesized peptide.

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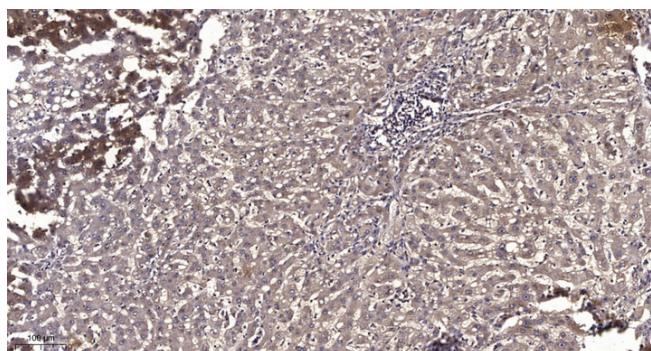
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监督电话: 15950492658



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



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).