



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09089 - Goat Anti-MTNR1B Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** MTNR1B, melatonin receptor 1B, MEL-1B-R, MT2, melatonin receptor MEL1B, melatonin receptor type 1B

**Official Symbol:** MTNR1B

**Accession Number(s):** NP\_005950.1

**Human GeneID(s):** [4544](#)

### Immunogen

Peptide with sequence C-QDASKGSHAEGQLQSP, from the C Terminus of the protein sequence according to NP\_005950.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

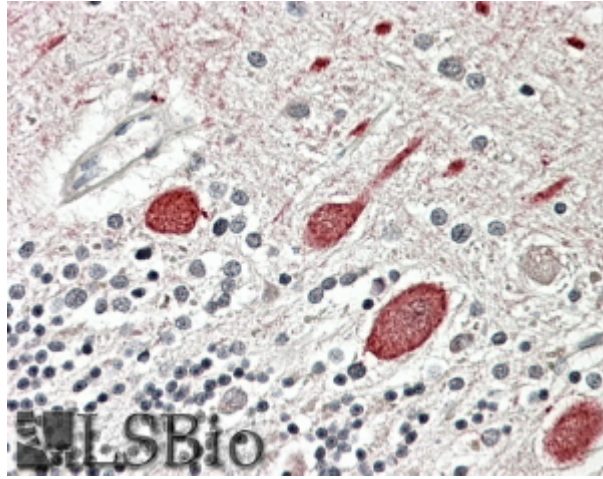
**Western blot:** Preliminary experiments gave approx .48kDa and 37kDa bands in Human Brain (Cerebellum) lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 40.2kDa according to NP\_005950.1. The 48kDa and 37kDa bands were successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

**IHC:** In paraffin embedded Human Cerebellum shows membranous staining primarily in Purkinje cells. Recommended concentration, 3-6µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB09089 (3.8 $\mu$ g/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.