

## Product datasheet for **AP31974PU-N**

### Melatonin Receptor 1B (MTNR1B) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	<b>Peptide ELISA:</b> 1/32000 (Detection limit). <b>Western blot:</b> Preliminary experiments gave approx .48kDa and 37kDa bands in Human Brain (Cerebellum) lysates after 1 µg/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? <b>Immunohistochemistry on Paraffin Sections:</b> 3-6 µg/ml. In paraffin embedded Cerebellum shows membranous staining primarily in Purkinje cells.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide with sequence from the C Terminus of Human MTNR1B (NP_005950.1).
Specificity:	This antibody detects MTNR1B at C-term
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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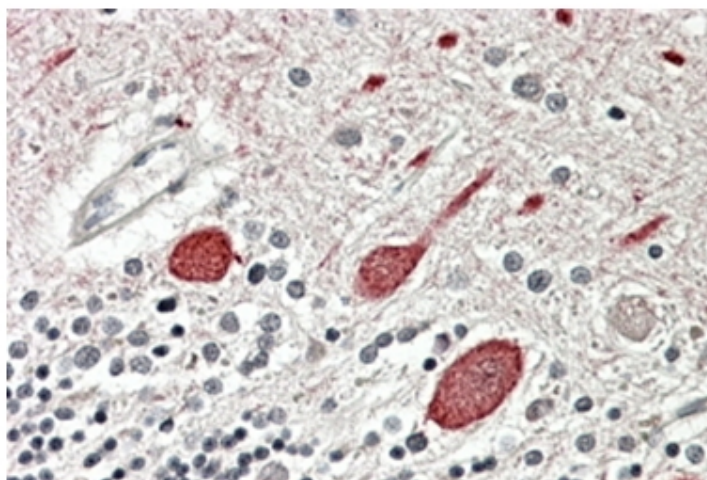
Gene Name: melatonin receptor 1B

Database Link: [Entrez Gene 4544 Human P49286](#)

Background: MTNR1b is a Melatonin Receptor that mediates the effects of melatonin in the retina and the photoperiodic control of neuroendocrine functions. It may also be involved in melatonin-induced immune enhancement. MTNR1b has been reported in adipose, brain, eye, and ovary. An EST has been isolated from an eye tissue library.

Synonyms: MTNR1B

### Product images:



MTNR1B antibody staining of paraffin embedded Human Cerebellum at 3.8 ug/ml. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.