

Goat anti-MTNR1B Antibody

Item Number	dAP-1660
Target Molecule	Principle Name: MTNR1B; Official Symbol: MTNR1B; All Names and Symbols: MTNR1B; melatonin receptor 1B; MEL-1B-R; MT2; melatonin receptor MEL1B; melatonin receptor type 1B; Accession Number (s): NP_005950.1; Human Gene ID(s): 4544; Non-Human GeneID(s):
Immunogen	QDASKGSHAEGLQSP, is from C Terminus
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	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 calc
IHC	Immunohistochemistry: In paraffin embedded Human Cerebellum shows membranous staining primarily in Purkinje cells. Recommended concentration, 3-6µg/ml.
Reference	Reference(s): Rawashdeh O, de Borsetti NH, Roman G, Cahill GM. Melatonin suppresses nighttime memory formation in zebrafish. <i>Science</i> 2007 Nov 318 (5853): 1144-6.. PMID: 18006748->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**