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

EB09288 - Goat Anti-MTNR1A Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: MTNR1A, melatonin receptor 1A, MEL-1A-R, MT1, melatonin receptor type 1A

Official Symbol: MTNR1A

Accession Number(s): NP_005949.1

Human GeneID(s): [4543](#)

Immunogen

Peptide with sequence C-SLKYDKLYSSKNS, from the internal region of the protein sequence according to NP_005949.1.

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

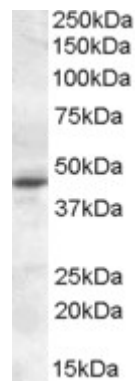
Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Approx 40kDa band observed in Rat Retina lysates (calculated MW of 39.8kDa according to Rat NP_446128.1). Recommended concentration: 0.1-0.3µg/ml. An additional band of unknown identity was also consistently observed at 50kDa. This band was successfully blocked by incubation with the immunizing peptide.

Species Reactivity

Tested: Rat

Expected from sequence similarity: Human, Mouse, Dog, Cow



EB09288 (0.1µg/ml) staining of Rat Retina lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.