

## UK Office

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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: 1-3µg/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.