

## UK Office

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

## EB07639 - Goat Anti-Npy2r (mouse) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NPY2R, neuropeptide Y receptor Y2, MGC124241, MGC124242, MGC124244, NPY-Y2 receptor, NPY2-R

**Official Symbol:** Npy2r

**Accession Number(s):** NP\_032757.1

**Human GeneID(s):** [4887](#)

**Non-Human GeneID(s):** 18167 (mouse), 66024 (rat)

**Important Comments:** Please note this antibody was designed using the Mouse sequence NP\_032757.1, which differs by 1 amino acid from the Human sequence NP\_000901.1.

### Immunogen

Peptide with sequence C-KAKKNLEVKKNN, from the internal region of the protein sequence according to NP\_032757.1.

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:** Approx 40+45kDa bands observed in Rat Brain lysates (calculated MW of 42.6kDa according to NP032757.1). Recommended concentration: 0.1-0.3µg/ml.

**Immunoprecipitation:** A customer successfully used this product for IP of Human Y2R, but the Human Y2R could not be detected in WB by this antibody.

### Species Reactivity

**Tested:** Human, Rat

**Expected from sequence similarity:** Human, Mouse, Rat, Dog

EB07639 (0.1µg/ml) staining of Rat Brain lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.