

## UK Office

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

## EB07263-T - Goat Anti-Leptin Receptor Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** LEPR, leptin receptor, CD295, OBR, OB receptor, LeprB

**Official Symbol:** LEPR

**Accession Number(s):** NP\_002294.2; NP\_001003679.1; NP\_001003680.1

**Human GeneID(s):** [3953](#)

**Important Comments:** This antibody is expected to recognise all three reported isoforms (NP\_002294.2; NP\_001003679.1; NP\_001003680.1).

### Immunogen

Peptide with sequence C-TQDDIEKHQSDAG, from the internal region of the protein sequence according to NP\_002294.2; NP\_001003679.1; NP\_001003680.1.

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 150kDa band observed in Human, Mouse and Rat Brain lysates (calculated MW of 132kDa according to Human NP\_002294.2 and 130.8kDa according to Mouse NP\_666258.2 and Rat NP\_036728.1). The observed molecular weight corresponds to earlier findings with different antibodies from other commercial sources. Recommended concentration: 0.1-1µg/ml. Primary incubation was 1 hour.

**IHC:** Paraffin embedded Human Liver and Heart. Recommended concentration: 4µg/ml.

### Species Reactivity

**Tested:** Human, Mouse, Rat

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

EB07263 (0.1µg/ml) staining of Mouse (A) and Rat (B) Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07263 (1µg/ml) staining of Human Cerebral Cortex lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07263 (4µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB07263 (4µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.