



## UK Office

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

## EB08447 - Goat Anti-MC5R Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** MC5R N: melanocortin 5 receptor

**Official Symbol:** MC5R

**Accession Number(s):** NP\_005904.1

**Human GeneID(s):** [4161](#)

**Non-Human GeneID(s):** 17203 (mouse)

### Immunogen

Peptide with sequence PNVKNKSSPCED, from the N Terminus (near) of the protein sequence according to NP\_005904.1.

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 1:8000.

**Western blot:** Approx. 37kDa band observed in Mouse Skeletal Muscle lysates (calculated MW of 36.6kDa according to NP\_005904.1). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature. An additional band of unknown identity was also consistently observed at 30kDa. This band was successfully blocked by incubation with the immunizing peptide

**IHC:** Paraffin embedded Human Brain (Cortex). Recommended concentration: 2.5µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

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

EB08447 (0.3µg/ml) staining of Mouse Muscle lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB08447 (2.5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.