

## UK Office

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

## EB06769 - Goat Anti-Neuropeptide Y receptor Y5 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** neuropeptide Y receptor Y5, HGNC:7958, NPY5R, NPYR5, NPY5-R, NPY-Y5 receptor, NPY5-R, Y5 receptor

**Official Symbol:** NPY5R

**Accession Number(s):** NP\_006165.1

**Human GeneID(s):** [4889](#)

**Non-Human GeneID(s):** 18168 (mouse), 25340 (rat)

### Immunogen

Peptide with sequence C-GLSNKENRLEEN, from the internal region of the protein sequence according to NP\_006165.1.

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 50kDa band observed in Human Brain, Breast and Duodenum lysates (calculated MW of 50.7kDa according to NP\_006165.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.

**IHC:** In paraffin embedded Human Intestine shows staining of ganglion cells. Recommended concentration, 4-6µg/ml.

**Immunoprecipitation:** Customer feedback showed specific results when this product was used in IP.

### Species Reactivity

**Tested:** Human

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

### Specific References

**This antibody has been successfully used in Western blot in Human:**

Czarnecka M, Kitlinska J.

Cell Surface Protein Detection to Assess Receptor Internalization.

Bio Protoc. 2016 Oct 20;6(20)

PMID: 28413811

**This antibody has been successfully used in Western blot in Human:**

Sheriff S, Ali M, Yahya A, Haider KH, Balasubramaniam A, Amlal H.

Neuropeptide Y Y5 receptor promotes cell growth through extracellular signal-regulated kinase signaling and cyclic AMP inhibition in a human breast cancer cell line.

Mol Cancer Res. 2010 Apr;8(4):604-14.

PMID: 20332211

EB06769 (0.3µg/ml) staining of Human Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06769 (3.8µg/ml) staining of paraffin embedded Human Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.