# GOAT ANTI-NEUROPEPTIDE Y RECEPTOR Y5 ANTIBODY

**SKU:** EB06769

250kDa
150kDa

100kDa

75kDa

50kDa

37kDa

25kDa

20kDa

15kDa

10kDa

# SPECIFICATIONS

| | |
|---|---|
| **Formulation** | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. |
| **Unit Size** | 100 µg |
| **Storage Instructions** | Aliquot and store at -20°C. Minimize freezing and thawing. |
| **Synonym / Alias Names** | Y5 receptor|NPYY5-R|NPY-Y5 receptor|NPY5-R|NPYR5|NPY5R|HGNC:7958|neuropeptide Y receptor Y5 |
| **Usage Summary** | <strong>Immunoprecipitation:</strong> Customer feedback showed specific results when this product was used in IP. This antibody has been successfully used in IP: PMID: 30503694. |
| **Accession ID** | NP_006165.1 |
| **Blocking Peptide** | EBP06769 |
| **Immunogen** | Peptide with sequence C-GLSNKENRLEEN, from the internal region of the protein sequence according to NP_006165.1. |
| **Peptide Sequence** | C-GLSNKENRLEEN |
| **Purification Method** | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| **Shipping Instructions** | Refrigerated |
| **Predicted Species** | Human, Mouse, Rat, Dog |
| **Reactive Species** | Human, Hamster |
| **Human Gene ID** | 4889 |
| **Mouse Gene ID** | 18168 |
| **Rat Gene ID** | 25340 |
| **Product Grade** | https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png |
| **IHC Results** | In paraffin embedded Human Intestine shows staining of ganglion cells. Recommended concentration, 4-6µg/ml. |
| **ELISA Detection Limit** | 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. This antibody has been successfully used in WB on CHO-K1 cells: PMID: 30503694. This antibody has been successfully used in WB on Human: PMID: 28413811 and 20332211. |
| **Application Type** | Pep-ELISA, WB, IP, IHC |

# SELECTED REFERENCES

[{"pmid": 30503694, "intro": "**This antibody has been successfully used in WB and IP on CHO-K1 cells:**", "title": "Neuropeptide Y receptor interactions regulate its mitogenic activity", "author": "Magdalena Czarneckaa, Congyi Lua,b, Jennifer Ponsa, Induja Maheswarana, Pawel Ciborowskic, Lihua Zhangd, Amrita Cheemad, Joanna Kitlinskaa", "journal": "Neuropeptides. 2019 Feb;73:11-24. "}, {"pmid": 28413811, "intro": "**This antibody has been successfully used in WB on Human:**", "title": "Cell Surface Protein Detection to Assess Receptor Internalization.", "author": "Czarnecka M, Kitlinska J.", "journal": "Bio Protoc. 2016 Oct 20;6(20)"}, {"pmid": 33681186, "intro": "**This antibody has been successfully used in WB on Human:**", "title": "Neuropeptide Y/Y5 Receptor Pathway Stimulates Neuroblastoma Cell Motility Through RhoA Activation", "author": "Nouran Abualsaud, Lindsay Caprio, Susana Galli, Ewa Krawczyk, Lamia Alamri, Shiya Zhu, G Ian Kitlinska", "journal": "Front Cell Dev Biol. 2021 Feb 17;8:627090."}, {"pmid": 35484119, "intro": "**This antibody has been successfully used in the following paper:**", "title": "Hypoxia-activated neuropeptide Y/Y5 receptor/RhoA pathway triggers chromosomal instability and bone metastasis in Ewing sarcoma.", "author": "Congyi Lu et al.", "journal": "Nat Commun. 2022 Apr 28;13(1):2323."}, {"pmid": 20332211, "intro": "**This antibody has been successfully used in WB on Human:**", "title": "Neuropeptide Y Y5 receptor promotes cell growth through extracellular signal-regulated kinase signaling and cyclic AMP inhibition in a human breast cancer cell line.", "author": "Sheriff S, Ali M, Yahya A, Haider KH, Balasubramaniam A, Amlal H.", "journal": "Mol Cancer Res. 2010 Apr;8(4):604-14."}]

# DOCUMENTS

- Data Sheet

# GALLERY IMAGES

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