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NPY Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI11945

Product Information

Application	WB
Primary Accession	P01303
Other Accession	NM_000905, NP_000896
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine, Sheep
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	10851

Additional Information

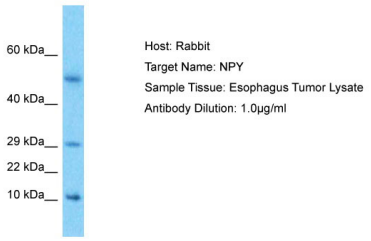
Gene ID	4852
Alias Symbol	PYY4
Other Names	Pro-neuropeptide Y, Neuropeptide Y, Neuropeptide tyrosine, NPY, C-flanking peptide of NPY, CPON, NPY
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-NPY antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	NPY Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NPY {ECO:0000303|PubMed:2427515}
Function	[Neuropeptide Y]: Ligand for neuropeptide Y receptor type 1 (NPY1R) and neuropeptide Y receptor type 2 (NPY2R) (PubMed:1321422, PubMed:7592910, PubMed:35165283, PubMed:35507650, PubMed:36525977, PubMed:38882210). Receptor binding induces adenylate cyclase-inhibiting G protein-coupled receptor signaling, resulting in inhibition of cAMP production (PubMed:1321422, PubMed:7592910, PubMed:38882210). Receptor activation by NPY also leads to an increase of intracellular Ca(2+) levels (PubMed:1321422, PubMed:35165283, PubMed:7592910). Is involved in the regulation of eating behavior, acting as a stimulator of food intake (By similarity). Involved in the regulation of colonic antisecretory tone, and

	colonic contractility (By similarity).
Cellular Location	Secreted. Cytoplasmic vesicle, secretory vesicle, neuronal dense core vesicle {ECO:0000250|UniProtKB:P07808}
Tissue Location	One of the most abundant peptides in the nervous system. Also found in some chromaffin cells of the adrenal medulla

Images



Host: Rabbit
Target Name: NPY
Sample Tissue: Esophagus Tumor lysates
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.