

## **NPY5-R Polyclonal Antibody**

Catalog No: YT3185

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;IHC;IF;ELISA

Target: NPY5-R

**Fields:** >>Neuroactive ligand-receptor interaction

Gene Name: NPY5R

**Protein Name:** Neuropeptide Y receptor type 5

Q15761

18168

070342

Human Gene Id: 4889

**Human Swiss Prot** 

No:

Mouse Gene Id:

**Mouse Swiss Prot** 

No:

Rat Gene ld: 25340

Rat Swiss Prot No: Q63634

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

NPY5R. AA range:221-270

**Specificity:** NPY5-R Polyclonal Antibody detects endogenous levels of NPY5-R protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not

yet tested in other applications.



**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Concentration**: 1 mg/ml

**Storage Stability:** -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 48kD

**Cell Pathway :** Neuroactive ligand-receptor interaction;

**Background:** The protein encoded by this gene is a receptor for neuropeptide Y and peptide

YY. The encoded protein appears to be involved in regulating food intake, with defects in this gene being associated with eating disorders. Also, the encoded

protein is involved in a pathway that protects neuroblastoma cells from

chemotherapy-induced cell death, providing a possible therapeutic target against neuroblastoma. Three transcript variants encoding the same protein have been

found for this gene. [provided by RefSeq, Nov 2015],

**Function:** function:Receptor for neuropeptide Y and peptide YY. The activity of this

receptor is mediated by G proteins that inhibit adenylate cyclase activity. Seems

to be associated with food intake. Could be involved in feeding

disorders., similarity: Belongs to the G-protein coupled receptor 1 family., tissue

specificity:Brain; hypothalamus.,

Subcellular

Location:

Cell membrane; Multi-pass membrane protein.

**Expression :** Brain; hypothalamus.

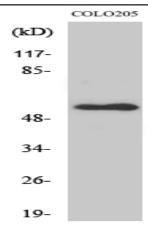
**Sort :** 10960

No4: 1

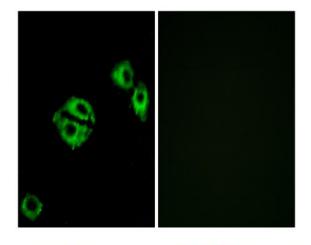
Host: Rabbit

Modifications: Unmodified

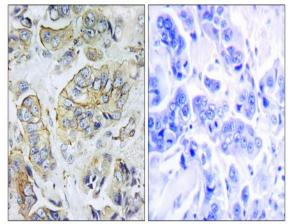
## **Products Images**



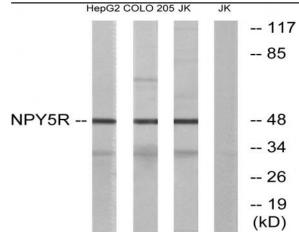
Western Blot analysis of various cells using NPY5-R Polyclonal Antibody



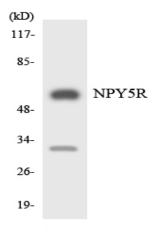
Immunofluorescence analysis of A549 cells, using NPY5R Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using NPY5R Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO, Jurkat, and HepG2 cells, using NPY5R Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using NPY5R antibody.