

## Rabbit NPY5R Polyclonal Antibody | anti-NPY5R antibody

NPY5R Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                       |
|-----------|--------|-------------------|------------------------------------------------------------------------------------|
| AAA325605 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

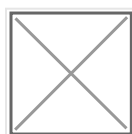
### PRODUCT SYNONYMS

NPY5R; Polyclonal Antibody; NPY5R Antibody; Neuropeptide Y receptor type 5; Neuropeptide Y receptor Y5; NPY 5R; NPY R5; NPY Y5; NPY Y5 receptor; NPY-Y5 receptor; NPY5 R; NPY5-R; NPY5R\_HUMAN; NPYR 5; NPYR5; NPY Y5; NPY Y5; NPY Y5-R; Y5 receptor; anti-NPY5R antibody

### PRODUCT SPECIFICATIONS

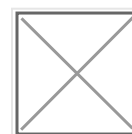
|                                                 |                                                                                                          |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                   |
| Reactivity                                      | Human, Mouse, Rat                                                                                        |
| Clonality                                       | Polyclonal                                                                                               |
| Isotype                                         | IgG                                                                                                      |
| Specificity                                     | NPY5R antibody detects endogenous levels of total NPY5R                                                  |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.            |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.            |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                   |
| Sequence Length                                 | 445                                                                                                      |
| Applicable Applications for anti-NPY5R antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                       | A synthesized peptide                                                                                    |
| Subcellular Location                            | Cell Membrane                                                                                            |
| Tissue Specificity                              | Brain; hypothalamus.                                                                                     |
| Predicted Cross Reactivity                      | <b>Bovine, Sheep, Rabbit, Dog</b>                                                                        |
| Similarity                                      | Bovine (90%), Sheep (90%), Rabbit (100%), Dog (91%)                                                      |
| Conjugation                                     | Unconjugated                                                                                             |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                        |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from HepG2 cells using NPY5R antibody.



#### IF (Immunofluorescence)

AAA325605 staining HEPG2 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/200 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



#### IHC (Immunohistochemistry)

AAA325605 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-NPY5R antibody</b> | 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.<br>Similarity: Belongs to the G-protein coupled receptor 1 family. |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                      |
|----------------------------------|--------------------------------------|
| NCBI GI #                        | 952556272                            |
| NCBI GeneID                      | 4889                                 |
| NCBI Accession #                 | NP_001304020.1                       |
| NCBI GenBank Nucleotide #        | NM_001317091.1                       |
| UniProt Accession #              | Q15761; Q6GTR7; Q92916               |
| Molecular Weight                 | Observed: 48 kD<br>Predicted: 51 kDa |
| NCBI Official Full Name          | neuropeptide Y receptor type 5       |
| NCBI Official Synonym Full Names | neuropeptide Y receptor Y5           |
| NCBI Official Symbol             | NPY5R                                |
| NCBI Official Synonym Symbols    | NPYR5; NPY5-R; NPY5-R                |
| NCBI Protein Information         | neuropeptide Y receptor type 5       |
| UniProt Protein Name             | Neuropeptide Y receptor type 5       |
| UniProt Gene Name                | <b>NPY5R</b>                         |
| UniProt Synonym Gene Names       | NPYR5; NPY5-R; NPY5-R; Y5 receptor   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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