

Product Name: NPY5-R Rabbit Polyclonal Antibody
Catalog #: APRab14862



Summary

Production Name	NPY5-R Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	NPY5R
Alternative Names	NPY5R; NPYR5; Neuropeptide Y receptor type 5; NPY5-R; NPY-Y5 receptor; NPYY5-R; Y5 receptor
Gene ID	4889.0
SwissProt ID	Q15761.The antiserum was produced against synthesized peptide derived from human NPY5R. AA range:221-270

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:20000.Not yet tested in other applications.
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Molecular Weight 48kDa

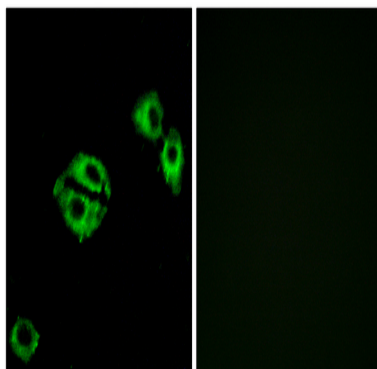
Background

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: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.,

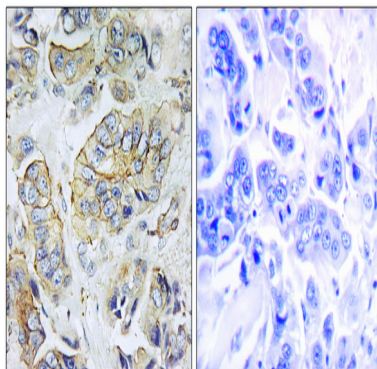
Research Area

Neuroactive ligand-receptor interaction;

Image Data



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

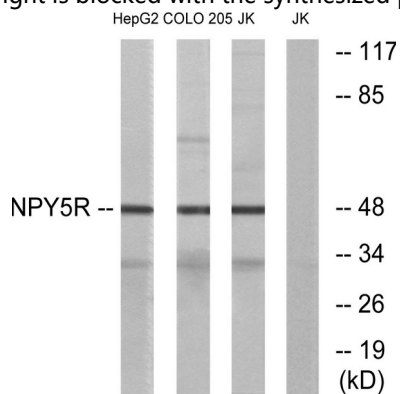


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using NPY5R Antibody. The picture

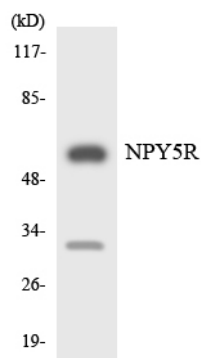
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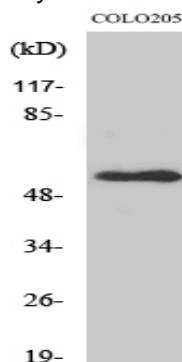
on the right is blocked with the synthesized peptide.



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.



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

Note

For research use only.