



Rabbit Anti-NPFF2 antibody

SL19328R

Product Name:	NPFF2
Chinese Name:	神经肽G protein-coupled receptor抗体
Alias:	G protein coupled receptor 74; G protein coupled receptor HLWAR 77; G protein coupled receptor HLWAR77; G-protein coupled receptor 74; G-protein coupled receptor HLWAR77; GPR 74; GPR74; HG31; HLWAR77; Neuropeptide FF receptor 2; Neuropeptide FF2; Neuropeptide G protein coupled receptor; Neuropeptide G-protein coupled receptor; NPFF 2; NPFF R2; NPFF2_HUMAN; NPFFR 2; Npffr2; NPGPR.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	60kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse NPFF2:1-100/522<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of a subfamily of G-protein-coupled neuropeptide

receptors. This protein is activated by the neuropeptides A-18-amide (NPAF) and F-8-amide (NPFF) and may function in pain modulation and regulation of the opioid system. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2009]

Function:

Receptor for NPAF (A-18-F-amide) and NPFF (F-8-F-amide) neuropeptides, also known as morphine-modulating peptides. Can also be activated by a variety of naturally occurring or synthetic FMRF-amide like ligands. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.

Subcellular Location:

Cell membrane.

Tissue Specificity:

Isoform 1 is abundant in placenta. Relatively highly expressed in thymus, testis, and small intestine. Expressed at low levels in several tissues including spleen, prostate, brain, heart, ovary, colon, kidney, lung, liver and pancreas and not expressed in skeletal muscle and leukocytes. Isoform 2 expression is highest in placenta (but at relatively low level compared to isoform 1). Very low level of expression in numerous tissues including adipose tissue and many brain regions. Isoform 3 is expressed in brain and heart and, at lower levels, in kidney, liver, lung and pancreas.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

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Gene ID:

10886

Database links:

[Entrez Gene: 10886](#) Human

[Entrez Gene: 530560](#) Cow

[Entrez Gene: 100686684](#) Dog

[Entrez Gene: 100659439](#) Elephant

[Entrez Gene: 101125905](#) Gorilla

[Entrez Gene: 100393976](#) Marmoset (common)

[Entrez Gene: 100524634](#) Pig

[Entrez Gene: 100347167](#) Rabbit

[Oimim: 607449](#) Human

[SwissProt: Q9Y5X5](#) Human

[Unigene: 99231](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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