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Anti-NPFF2 / NPFFR2 Antibody (N-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17571

Product Information

Application	IHC-P
Primary Accession	Q9Y5X5
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60270
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	10886
Alias Symbol	NPFFR2
Other Names	NPFFR2, G protein-coupled receptor 74, HLWAR77, G-protein coupled receptor 74, Neuropeptide FF receptor 2, Neuropeptide FF 2, NPFF2, Neuropeptide FF 2 receptor, NPGPR, GPR74, NPFF-R2, NPFF2 receptor, NPGP receptor
Target/Specificity	Human NPFFR2. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except MFN2 (45%), MFN1 (45%).
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-NPFF2 / NPFFR2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NPFFR2 (HGNC:4525)
Synonyms	GPR74, NPFF2, NPGPR
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.
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	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