

NPFF2 / NPFFR2 Antibody (Extracellular Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10642**Specification**

NPFF2 / NPFFR2 Antibody (Extracellular Domain) - Product Information

Application	IHC
Primary Accession	Q9Y5X5
Reactivity	Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60kDa KDa

NPFF2 / NPFFR2 Antibody (Extracellular Domain) - Additional Information**Gene ID** 10886**Other Names**

Neuropeptide FF receptor 2, G-protein coupled receptor 74, G-protein coupled receptor HLWAR77, Neuropeptide G-protein coupled receptor, NPFFR2, GPR74, NPFF2, NPGPR

Target/Specificity

Human NPFFR2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

NPFF2 / NPFFR2 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

NPFF2 / NPFFR2 Antibody (Extracellular Domain) - Protein Information**Name** NPFFR2**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

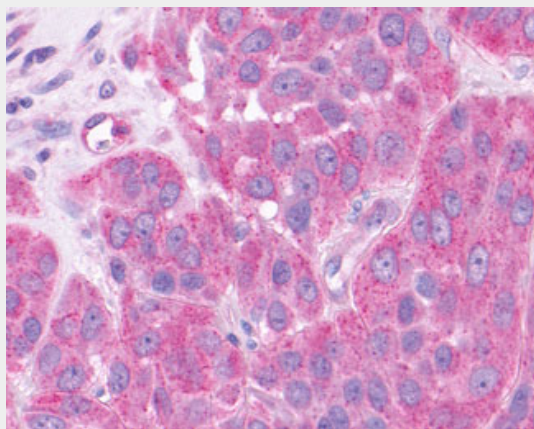
Volume

50 µl

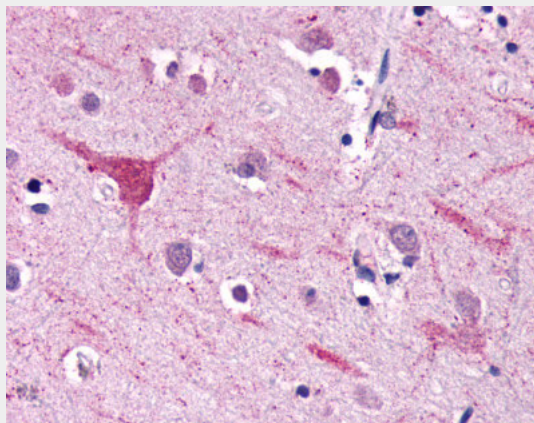
NPFF2 / NPFFR2 Antibody (Extracellular Domain) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NPFF2 / NPFFR2 Antibody (Extracellular Domain) - Images

Anti-NPFF2 / NPFFR2 antibody IHC of human Skin, Melanoma.



Anti-NPFFR2 antibody ALS10642 IHC of human brain, neurons and glia.

NPFF2 / NPFFR2 Antibody (Extracellular Domain) - Background

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.

NPFF2 / NPFFR2 Antibody (Extracellular Domain) - References

Cikos S.,et al.Biochem. Biophys. Res. Commun. 256:352-356(1999).
Elshourbagy N.A.,et al.J. Biol. Chem. 275:25965-25971(2000).
Bonini J.A.,et al.J. Biol. Chem. 275:39324-39331(2000).
Parker R.M.C.,et al.Brain Res. Mol. Brain Res. 77:199-208(2000).
Liu Q.,et al.Submitted (DEC-2000) to the EMBL/GenBank/DDBJ databases.