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FGFRL1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12726a

Specification

FGFRL1 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q8N441
Other Accession	Q7TQM3, Q91V87, NP_001004358.1
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**54537**
Antigen Region	**131-160**

FGFRL1 Antibody (N-term) - Additional Information

Gene ID 53834

Other Names
Fibroblast growth factor receptor-like 1, FGF receptor-like protein 1, FGF homologous factor receptor, FGFR-like protein, Fibroblast growth factor receptor 5, FGFR-5, FGFRL1, FGFR5, FHFR

Target/Specificity
This FGFRL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 131-160 amino acids from the N-terminal region of human FGFRL1.

Dilution
WB~~1:1000
IHC-P~~1:10~50
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
FGFRL1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FGFRL1 Antibody (N-term) - Protein Information

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Name FGFRL1

Synonyms FGFR5, FHFR

Function Has a negative effect on cell proliferation.

Cellular Location
Membrane; Single- pass type I membrane protein Note=Predominantly localized in the plasma membrane but also detected in the Golgi and in secretory vesicles

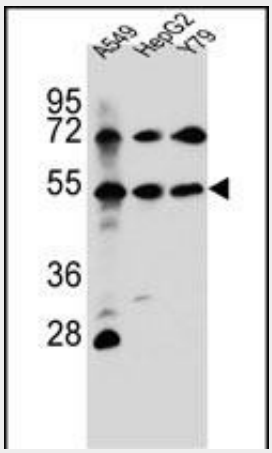
Tissue Location
Expressed preferentially in cartilaginous tissues and pancreas. Highly expressed in the liver, kidney, heart, brain and skeletal muscle. Weakly expressed in the lung, small intestine and spleen.

FGFRL1 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FGFRL1 Antibody (N-term) - Images



FGFRL1 Antibody (N-term) (Cat. #AP12726a) western blot analysis in A549,HepG2,Y79 cell line lysates (35ug/lane).This demonstrates the FGFRL1 antibody detected the FGFRL1 protein (arrow).

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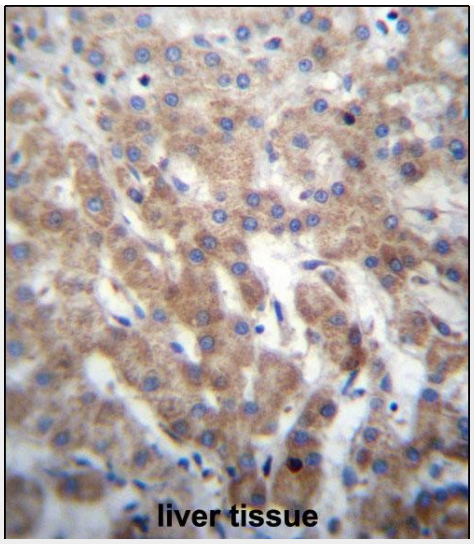

FGFRL1 Antibody (N-term) (Cat. #AP12726a)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of FGFRL1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

FGFRL1 Antibody (N-term) - Background

The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. A marked difference between this gene product and the other family members is its lack of a cytoplasmic tyrosine kinase domain. The result is a transmembrane receptor that could interact with other family members and potentially inhibit signaling. Multiple alternatively spliced transcript variants encoding the same isoform have been found for this gene.

FGFRL1 Antibody (N-term) - References

Bailey, S.D., et al. Diabetes Care (2010) In press :
Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010)
LopezJimenez, N., et al. Hum. Genet. 127(3):325-336(2010)
Steinberg, F., et al. J. Biol. Chem. 285(3):2193-2202(2010)
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