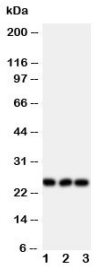
FGF19 Antibody (R30548)

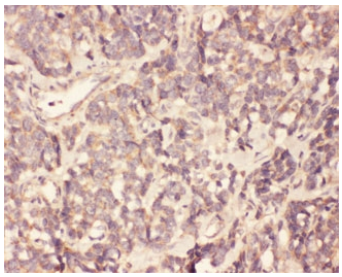
Catalog No.	Formulation	Size
R30548	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O95750
Localization	Cytoplasmic, secreted
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 1-2ug/ml
Limitations	This FGF19 antibody is available for research use only.



Western blot testing of FGF19 antibody and Lane 1: rat brain; 2: human U87; 3: human SMMC-7721 cell lysate. Predicted molecular weight ~24 kDa.



IHC testing of FFPE human gallbladder cancer tissue with FGF19 antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.

Description

Fibroblast growth factor 19, is a protein that in humans is encoded by the FGF19 gene. The protein encoded by this gene is a member of the fibroblast growth factor(FGF) family. The gene is mapped to 11q13.3. The deduced 216-amino acid FGF19 protein contains asignal sequence and 2 cysteine residues that are conserved in the FGF family. Expression of this gene was detected only in fetal but not adult brain tissue. Synergistic interaction of the chick homolog and Wnt-8c has been shown to be required for initiation of inner ear development. FGF19 stimulates hepatic protein and glycogen synthesis but does not induce lipogenesis. The effects of FGF19 are independent of the activity of either insulin or the protein kinase Akt and, instead, are mediated through a mitogen-activated protein kinase signaling pathway that activates components of the protein translation machinery and stimulates glycogen synthase activity.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the FGF19 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of the human protein (EEIRPDGYNVYRSEKHR) was used as the immunogen for this FGF19 antibody.

Storage

After reconstitution, the FGF19 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.