

FGF19 Antibody (R32529)

Catalog No.	Formulation	Size
R32529	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
UniProt	O95750
Applications	Western Blot : 0.5-2ug/ml ELISA : 0.5-1ug/ml (human protein tested); request BSA-free format for coating
Limitations	This FGF19 antibody is available for research use only.



Western blot testing of human HeLa lysate with FGF19 antibody at 0.5ug/ml.
Predicted/observed molecular weight: ~24 kDa.

Description

FGF19, 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 FGF19 gene is mapped to 11q13.3. The deduced 216-amino acid FGF19 protein contains a signal 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. FGF19 is the orthologous protein in humans. They are often referred together as FGF15/19.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the FGF19 antibody to be titrated for optimal performance.

Immunogen

Amino acids L25-K216 from the human protein were used as the immunogen for the FGF19 antibody.

Storage

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