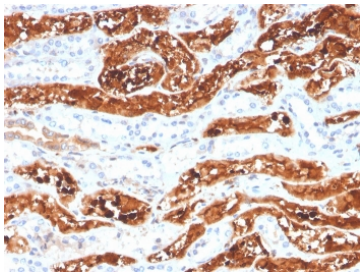
FGF21 Antibody / Fibroblast Growth Factor 21 [clone FGF21/3691] (V8452)

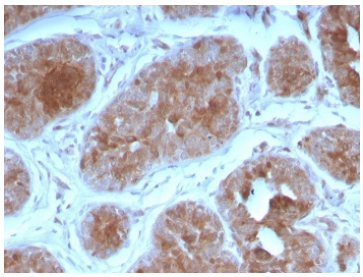
Catalog No.	Formulation	Size
V8452-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8452-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8452SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

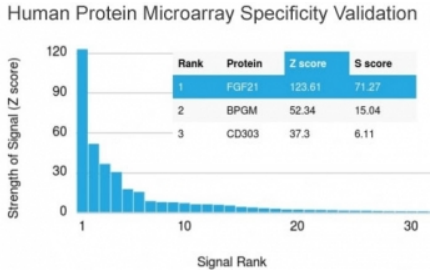
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	FGF21/3691
Purity	Protein G affinity chromatography
UniProt	Q9NSA1
Localization	Secreted (extracellular)
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This FGF21 antibody is available for research use only.



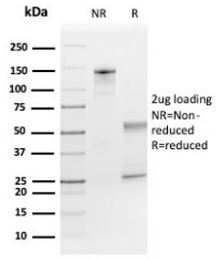
FGF21 Antibody Kidney IHC. Immunohistochemistry staining of FFPE human kidney with FGF21 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



FGF21 Antibody Breast IHC. Immunohistochemistry staining of FFPE human breast with FGF21 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using FGF21 antibody (clone FGF21/3691). These results demonstrate the foremost specificity of the FGF21/3691 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free FGF21 antibody as confirmation of integrity and purity.

Description

Fibroblast growth factor-1 (FGF-1), also designated acidic FGF, and fibroblast growth factor-2 (FGF-2), also designated basic FGF, are members of a family of growth factors that stimulate proliferation of cells of mesenchymal, epithelial and neuroectodermal origin. Additional members of the FGF family include the oncogenes FGF-3 (Int2) and FGF-4 (hst/Kaposi), FGF-5, FGF-6, FGF-7 (KGF), FGF-8 (AIGF), FGF-9 (GAF) and FGF-10-FGF-23. Members of the FGF family share 30-55% amino acid sequence identity and similar gene structure and are capable of transforming cultured cells when overexpressed in transfected cells. Cellular receptors for FGFs are members of a second multigene family including four tyrosine kinases, designated Flg (FGFR-1), Bek (FGFR-L), TKF and FGFR-3.

For highly selective detection of FGF21 in endocrine signaling and metabolic pathway studies, see the FGF21 Antibody / Metabolic Signaling Hormone Antibody clone FGF21/4343 featuring protein microarray specificity validation.

Application Notes

Optimal dilution of the FGF21 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 91-209 from the human protein was used as the immunogen for the FGF21 antibody.

Storage

Store the FGF21 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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