

Product datasheet for **UM570059**

FGF21 Mouse Monoclonal Antibody [Clone ID: UMAB71]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB71
Applications:	10k-ChIP, IF, IHC
Recommended Dilution:	IHC 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 29-209 of human FGF21 (NP_061986) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	19.4 kDa
Gene Name:	fibroblast growth factor 21
Database Link:	NP_061986 Entrez Gene 26291 Human Q9NSA1
Background:	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. The function of this growth factor has not yet been determined. [provided by RefSeq, Jul 2008]



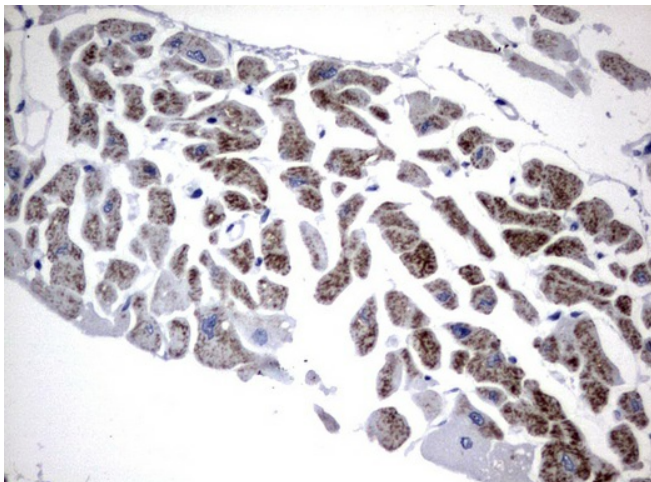
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Synonyms: fibroblast growth factor 21

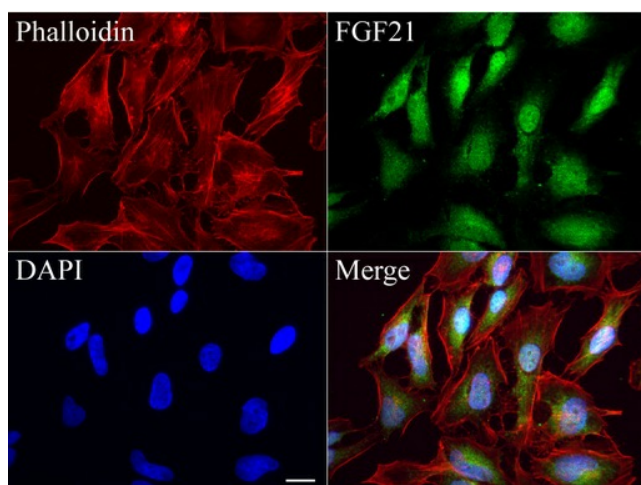
Protein Families: Adult stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways: MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

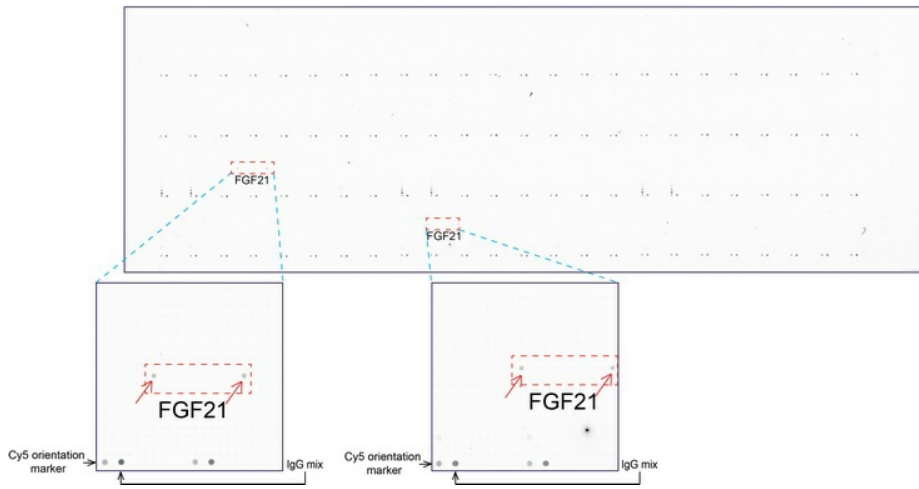
Product images:



Immunohistochemical staining of paraffin-embedded Human adult heart tissue using anti-FGF21 mouse monoclonal antibody. ([UM500059]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



Immunofluorescent staining of HeLa cells using anti-FGF21 mouse monoclonal antibody ([UM500059], green, 1:50). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue). Scale bar, 20µm.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-FGF21 mouse monoclonal antibody ([UM500059]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.