

Product datasheet for TA500064

FGF1 Mouse Monoclonal Antibody [Clone ID: OTI4D2]

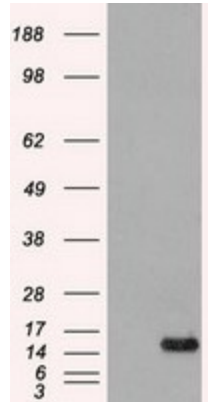
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4D2
Applications:	IF, WB
Recommend Dilution:	WB 1:5000~50000, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 16-155 of human AFGF (NP_000791) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from cell culture supernatant by affinity chromatography
Predicted Protein Size:	15.8 kDa
Gene Name:	fibroblast growth factor 1
Database Link:	NP_000791 Entrez Gene 2246 Human
Background:	FGF1 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. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Three alternatively spliced variants encoding different isoforms have been described.
Synonyms:	AFGF; ECGF; ECGF-beta; ECGFA; ECGFB; FGF-1; FGF-alpha; FGFA; GLIO703; HBGF-1; HBGF1
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

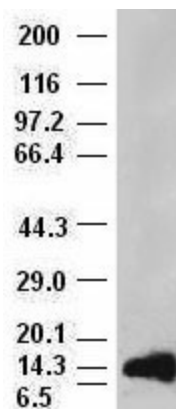


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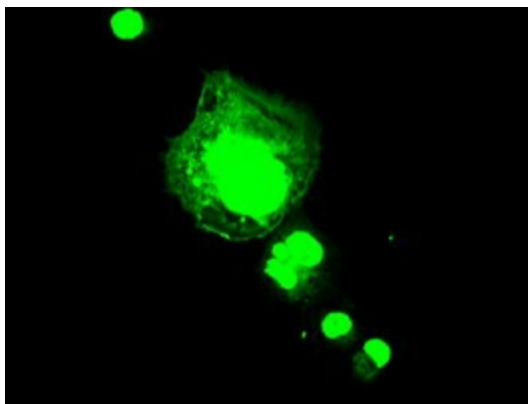
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY AFGF (RC207434, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AFGF. Positive lysates LY400278 (100ug) and LC400278 (20ug) can be purchased separately from OriGene.



aFGF antibody (4D2) at 1:50000 dilution + recombinant Human aFGF (Cat# RC207434)



Anti-AFGF mouse monoclonal antibody (TA500064) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY AFGF (RC207434).