ARG56708
anti-FGF acidic antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FGF acidic
Tested Reactivity	Hu, Ms
Tested Application	ELISA, IHC-P, Neut, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FGF acidic
Species	Human
Immunogen	E.coli derived Recombinant Human FGF acidic. (MFNLPPGNYK KPKLLYCSNG GHFLRILPDG TVDGTRDRSD QHIQLQLSAE SVGEVYIKST ETGQYLAMDT DGLLYGSQTP NEECLFLERL EENHYNTYIS KKHAEKNWFV GLKKNGSCKR GPRTHYGQKA ILFLPLPVSS D)
Conjugation	Un-conjugated
Alternate Names	HBGF1; FGF-1; FGF-alpha; GLIO703; ECGFA; ECGFB; ECGF; Endothelial cell growth factor; FGFA; Acidic fibroblast growth factor; Heparin-binding growth factor 1; Fibroblast growth factor 1; HBGF-1; AFGF; aFGF; ECGF-beta

Application Instructions

Application table

Application	Dilution
ELISA	Sandwich: 0.5 - 2.0 µg/ml with ARG56817 as a detection antibody
IHC-P	0.050 µg/ml - 0.125 µg/ml
Neut	1.0 - 2.5 µg/ml (To yield [ND50] of the biological activity of Human FGF - acidic (10.0 ng/ml))
WB	0.1 - 0.2 µg/ml

Application Note: Please note the application for Neutralizing is lot dependent, if scientist would like to use this antibody for Neutralizing, please contact with arigo.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

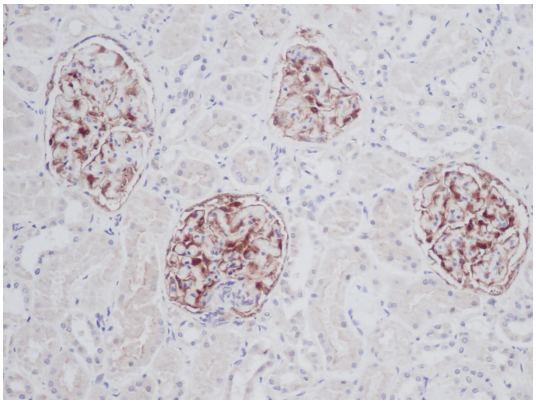
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

	and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

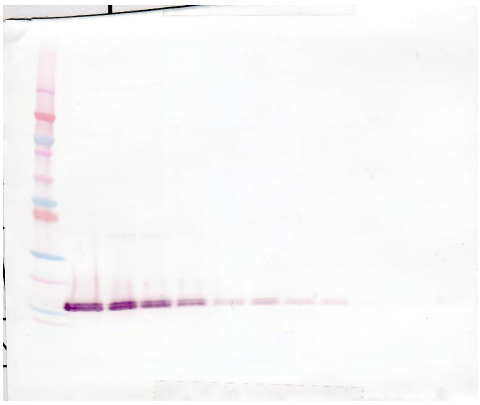
Database links	GeneID: 14164 Mouse GeneID: 2246 Human Swiss-port # P05230 Human Swiss-port # P61148 Mouse
Gene Symbol	FGF1
Gene Full Name	fibroblast growth factor 1 (acidic)
Background	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess 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. 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. Multiple alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq, Jan 2009]
Function	Plays an important role in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. Functions as potent mitogen in vitro. [UniProt]
Calculated Mw	17 kDa
PTM	In the nucleus, phosphorylated by PKC/PRKCD.

Images



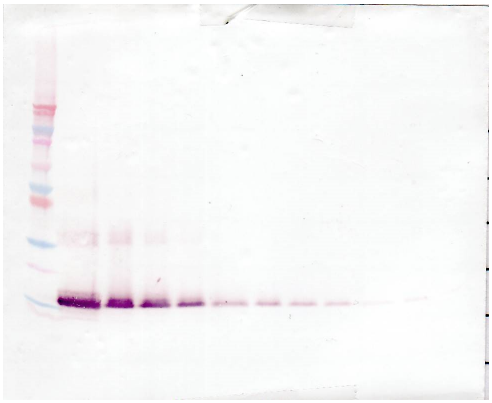
ARG56708 anti-FGF acidic antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded sections of Human normal kidney. The recommended ARG56708 anti-FGF acidic antibody concentration is 0.050 µg/mL-0.125 µg/mL with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Antigen Retrieval: Boil tissue section in Sodium Citrate buffer (pH 6.0) followed by cooling at RT for 20 min.



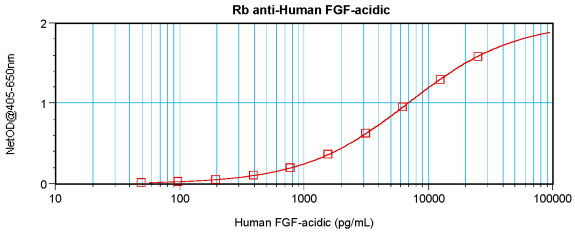
ARG56708 anti-FGF acidic antibody WB image

Western blot: 250 - 0.24 ng of Human FGF-acidic stained with ARG56708 anti-FGF acidic antibody, under reducing conditions.



ARG56708 anti-FGF acidic antibody WB image

Western blot: 250 - 0.24 ng of Human FGF-acidic stained with ARG56708 anti-FGF acidic antibody, under non-reducing conditions.



ARG56708 anti-FGF acidic antibody standard curve image

Sandwich ELISA: ARG56708 anti-FGF acidic antibody as a capture antibody at 0.5 - 2.0 µg/ml combined with ARG56817 anti-FGF acidic antibody (Biotin) as a detection antibody. Results of a typical standard run with optical density.