

ARG22357 anti-pan FGFA / FHFA antibody [S235-22]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [S235-22] recognizes pan FGFA / FHFA
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms
Tested Application	ICC/IF, WB
Specificity	Does not cross-react with FGF13B / FHF2B. Cross reacts with FGF12A / FHF1A and FGF14A / FHF4A.
Host	Mouse
Clonality	Monoclonal
Clone	S235-22
Isotype	IgG2b
Target Name	pan FGFA / FHFA
Species	Human
Immunogen	Synthetic peptide around aa. 2-18 of Human FHF2A (AAAIASSLIRQKRQARE). 100% identical to Rat, 94% identical to Mouse. > 80% identity with FGF12A/FHF1A, FGF14A/FHF4A and FGF11A/FHF3A.
Conjugation	Un-conjugated
Alternate Names	FHF-2; FHF2; Fibroblast growth factor 13; Fibroblast growth factor homologous factor 2; FGF-13; FGF2

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.1% Sodium azide and 50% Glycerol.
Preservative	0.1% Sodium azide
Stabilizer	50% Glycerol
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. 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.

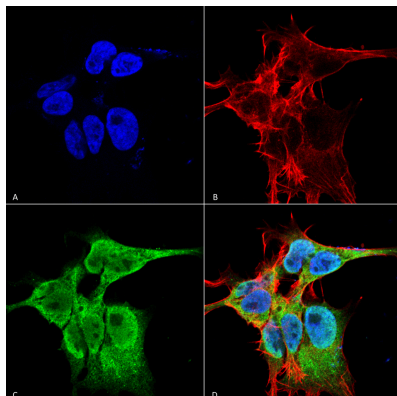
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 2258 Human GeneID: 84488 Rat Swiss-port # Q92913 Human Swiss-port # Q9ERW3 Rat
Gene Symbol	FGF13
Gene Full Name	fibroblast growth factor 13
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 gene is located in a region on chromosome X, which is associated with Borjeson-Forssman-Lehmann syndrome (BFLS), making it a possible candidate gene for familial cases of the BFLS, and for other syndromal and nonspecific forms of X-linked mental retardation mapping to this region. Alternative splicing of this gene at the 5' end results in several transcript variants encoding different isoforms with different N-termini. [provided by RefSeq, Nov 2008]
Function	<p>Microtubule-binding protein which directly binds tubulin and is involved in both polymerization and stabilization of microtubules. Through its action on microtubules, may participate to the refinement of axons by negatively regulating axonal and leading processes branching. Plays a crucial role in neuron polarization and migration in the cerebral cortex and the hippocampus.</p> <p>May regulate voltage-gated sodium channels transport and function.</p> <p>May also play a role in MAPK signaling. [UniProt]</p>
Calculated Mw	28 kDa
PTM	May be phosphorylated.

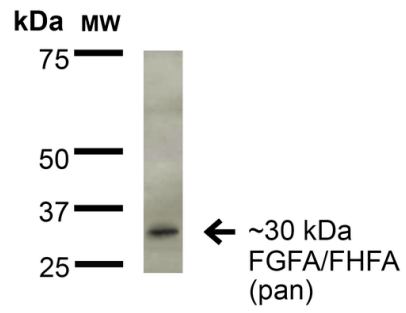
Images



ARG22357 anti-pan FGFA / FHFA antibody [S235-22] ICC/IF image

Immunocytochemistry: Human Neuroblastoma cell line SK-N-BE. Fixation: 4% Formaldehyde for 15 min at RT. Cells were stained with ARG22357 anti-pan FGFA / FHFA antibody [S235-22] at 1:100 dilution (60 min, RT). Magnification: 60X. (A) DAPI (blue) nuclear stain, (B) Phalloidin Texas Red F-Actin stain, (C) ARG22357 anti-pan FGFA / FHFA antibody [S235-22] (green), and (D) Composite.

ARG22357 anti-pan FGFA / FHFA antibody [S235-22] WB image



Western blot: 15 µg of Rat brain membrane stained with ARG22357 anti-pan FGFA / FHFA antibody [S235-22] at 1:200 dilution (16 hours, 4°C). Block: 2% BSA and 2% Skim Milk in 1X TBST. .