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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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Anti-FGFA/FHFA (Pan) Antibody [S235-22]

Mouse Anti-Human FGFA/FHFA (pan) Monoclonal IgG2b
Catalog No. SMC-448



Discovery through partnership | Excellence through quality

Overview

Product Name

FGFA/FHFA (pan) Antibody

Description

Mouse Anti-Human FGFA/FHFA (pan) Monoclonal IgG2b

Species Reactivity

Human, Mouse, Rat

Applications

WB, IHC, ICC/IF

Antibody Dilution

WB (1:1000); optimal dilutions for assays should be determined by the user.

Host Species

Mouse

Immunogen Species

Human

Immunogen

Synthetic peptide amino acids 2-18 (AAAIASSLRQKRQARE) of human FHF2A. 100% identical to rat, 94% identical to mouse. >80% identity with FGF12A/FHF1A, FGF14A/FHF4A and FGF11A/FHF3A.

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH 7.4, 50% glycerol, 0.1% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein G Purified

Clonality

Monoclonal

Clone Number

S235-22

Isotype

IgG2b

Specificity

Detects ~30kDa. Does not cross-react with FGF13B/FHF2B. Cross reacts with FGF12A/FHF1A and FGF14A/FHF4A.

Cite This Product

Mouse Anti-Human FGF13 Monoclonal, Clone S235-22 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-448)

Certificate Of Analysis

1 µg/ml of SMC-448 was sufficient for detection of FGFA/FHFA (pan) in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

Acidic fibroblast growth factor Antibody, AFGF Antibody, Beta endothelial cell growth factor Antibody, Fibroblast growth factor homologous factor 2A Antibody, Fibroblast growth factor 13A Antibody, FGF13A Antibody, Beta-endothelial cell growth factor Antibody, ECGF Antibody, ECGFA Antibody, ECGFB Antibody, Endothelial Cell Growth Factor alpha Antibody, Endothelial Cell Growth Factor alpha Antibody, Endothelial Cell Growth Factor beta Antibody, FGF 1 Antibody, FGF alpha Antibody, FGFA Antibody, Fibroblast Growth Factor 1 Acidic Antibody, Fibroblast growth factor 1 Antibody, GLIO703 Antibody, HBGF 1 Antibody, HBGF1 Antibody, Heparin binding growth factor 1 Antibody, Heparin binding growth factor 1 precursor Antibody, Heparin-binding growth factor 1 Antibody

Research Areas

Cell Signaling, Neuroscience

Cellular Localization

Cytoplasm, Cell projection, Dendrite, Growth cone, Nucleus

Accession Number

AAH34340

Gene ID

2258

Swiss Prot

Q92913

Scientific Background

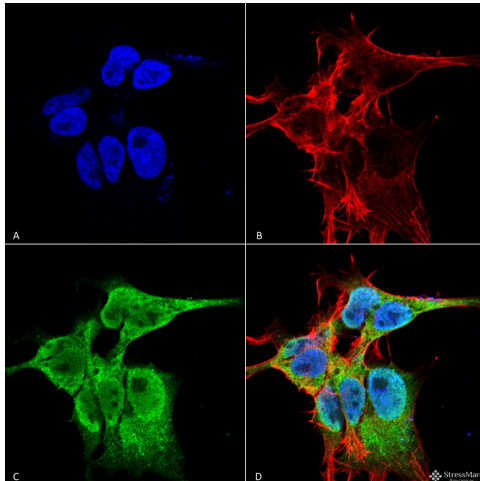
FGF13(Fibroblast growth factor 13), also called FHF2 is a protein that in humans is encoded by the FGF13 gene.The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF13is a large gene, extending over approximately 200 kb in Xq26.3, and contains at least 7 exons. By cytogenetic, FISH, and database analysis, Gecz et al. (1999) localized the FGF13 gene within a 400-kb duplication interval on chromosome Xq26.3. 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 to a region associated with Borjeson-Forsman-Lehmann syndrome (BFLS), a syndromal X-linked mental retardation, which suggests it may be a candidate gene for familial cases of the BFL syndrome. The function of this gene has not yet been determined. Two alternatively spliced transcripts encoding different isoforms have been described for this gene.

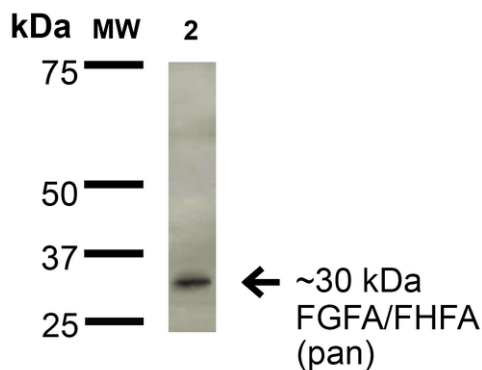
References

1. Gecz, J., et al. (1999) Hum. Genet. 104: 56-63.
2. Smallwood, P. M., et al. (1996) Proc. Nat. Acad. Sci. 93: 9850-9857.

Product Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-FGFA/FHFA (pan) Monoclonal Antibody, Clone S235-22 (SMC-448). Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-FGFA/FHFA (pan) Monoclonal Antibody (SMC-448) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000; 1:5000 for 60 min RT, 5 min RT. Localization: Cell Projection, Nucleus, Cytoplasm. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) FGFA/FHFA (pan) Antibody (D) Composite.



Western Blot analysis of Rat Brain Membrane showing detection of ~30 kDa FGFA/FHFA (pan) protein using Mouse Anti-FGFA/FHFA (pan) Monoclonal Antibody, Clone S235-22 (SMC-448). Lane 1: Molecular Weight Ladder. Lane 2: Rat Brain Membrane. Load: 15 μ g. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-FGFA/FHFA (pan) Monoclonal Antibody (SMC-448) at 1:200 for 16 hours at 4°C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:1000 for 1 hour RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~30 kDa.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.