

FGFA/FHFA (pan) Antibody
FGFA/FHFA (pan) Antibody, Clone S235-22
Catalog # ASM10282**Specification****FGFA/FHFA (pan) Antibody - Product Information**

Application	ICC/IF, WB
Primary Accession	O92913
Other Accession	AAH34340
Host	Mouse
Isotype	IgG2b
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal

Description

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

Target/Specificity

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

Other 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

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.

Purification

Protein G Purified

Storage **-20°C**

Storage Buffer

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

Shipping Temperature

Blue Ice or 4°C

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.

Cellular Localization

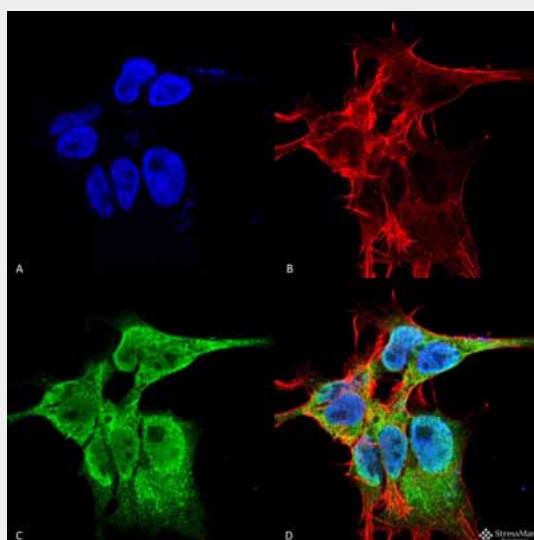
Cell Projection | Growth Cone | Dendrite | Nucleus | Cytoplasm

FGFA/FHFA (pan) Antibody - Protocols

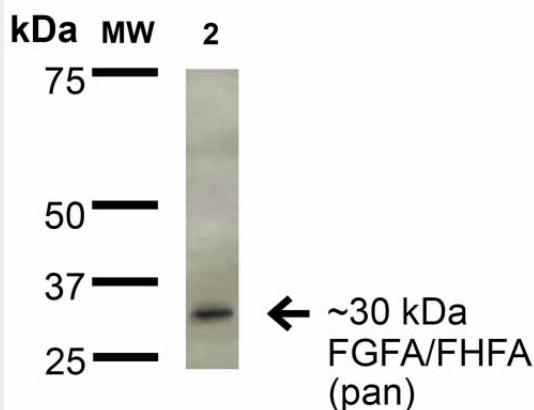
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FGFA/FHFA (pan) Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-FGFA/FHFA (pan) Monoclonal Antibody, Clone S235-22 (ASM10282). 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 (ASM10282) 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 (ASM10282). Lane 1: Molecular Weight Ladder. Lane 2: Rat Brain Membrane. Load: 15 µg. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-FGFA/FHFA (pan) Monoclonal Antibody (ASM10282) 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.

FGFA/FHFA (pan) Antibody - 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. FGF13 is 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-Forssman-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.

FGFA/FHFA (pan) Antibody - 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.