Product datasheet

Anti-FGF2 Antibody

Catalog Number: *A00121-3*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-FGF2 Antibody
Gene Name	FGF2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human FGF2, which shares 93.3% amino acid (aa) sequence identity with mouse and rat FGF2.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	17 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

FGF2 has been implicated in a multitude of physiologic and pathologic processes, including limb development, angiogenesis, wound healing, and tumor growth. Human FGF2 shares 96% and 97% amino acid sequence homology with mouse and rat respectively. FGF2 belongs to the fibroblast growth factor (FGF) family. Fibroblast growth factors (FGFs) exhibit widespread mitogenic and neurotrophic activities. Nine members of the family are currently known, and FGF-1 and FGF-2 are present in relatively high levels in CNS. FGF-2 is expressed by at low levels in many tissues and cell types and reaches high concentrations in brain and pituitary.

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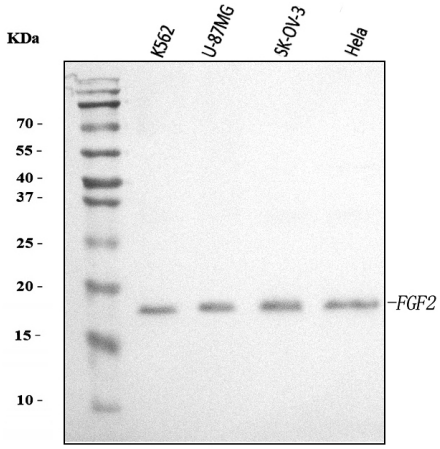
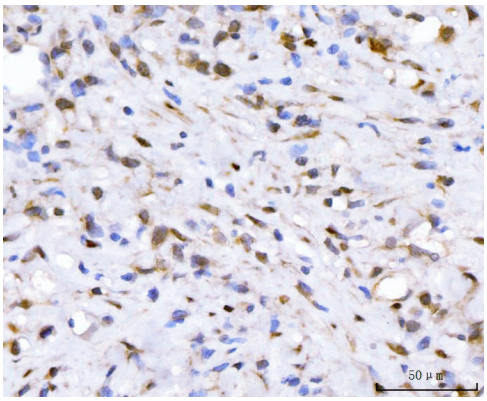
Reference

Anti-FGF2 Antibody被引用在13文献中。

Selected Validation Data



Western blot analysis of FGF2 using anti-FGF2 antibody (A00121-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: U2OS whole cell lysates,
Lane 2: U-87MG whole cell lysates,
Lane 3: SK-OV-3 whole cell lysates,
Lane 4: Hela whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-FGF2 antigen affinity purified polyclonal antibody (A00121-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for FGF2 at approximately 17 kDa. The expected band size for FGF2 is at 31, 23, 17, 21 kDa.



IHC analysis of FGF2 using anti-FGF2 antibody (A00121-3).
FGF2 was detected in a paraffin-embedded section of human gastric cancer tissue. The tissue section was incubated with rabbit anti-FGF2 Antibody (A00121-3) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

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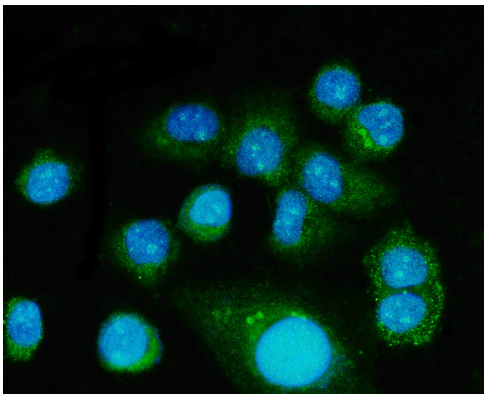

IF analysis of FGF2 using anti-FGF2 antibody (A00121-3).
FGF2 was detected in an immunocytochemical section of SiHa cells. The section was incubated with rabbit anti-FGF2 Antibody (A00121-3) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).