Product datasheet

Anti-FGF2 Antibody

Catalog Number: *BA14189*

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antibody and ELISA experts
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Basic Information

Product Name	Anti-FGF2 Antibody
Gene Name	FGF2
Source	Rabbit
Isotype	IgG
Species Reactivity	human
Tested Application	WB,ICC/IF,FCM,ELISA
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	E.coli-derived human FGF2 recombinant protein(Position: P143-S288).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	17-21KD
Dilution Ratios	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-400 Flow cytometry (FCM): 1-3 µg/1x10^6 cells ELISA: 1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

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.

Reference

Anti-FGF2 Antibody被引用在1文献中。

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Selected Validation Data

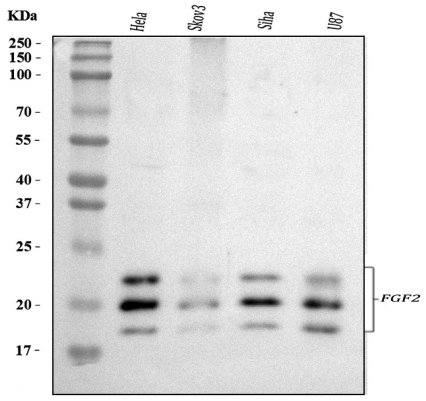

Figure 1. Western blot analysis of anti-FGF2 antibody (BA14189). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human SK-OV-3 whole cell lysates,
Lane 3: human SiHa whole cell lysates,
Lane 4: human U87 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-FGF2 antigen affinity purified polyclonal antibody (BA14189) 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 17-21 kDa. The expected band size for FGF2 is at 31 kDa.

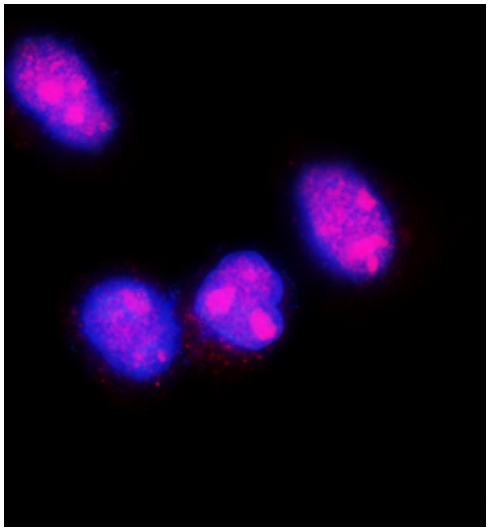

Figure 2. IF analysis of FGF2 using anti-FGF2 antibody (BA14189). FGF2 was detected in an immunocytochemical section of SiHa cells. Dylight594-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1142) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).

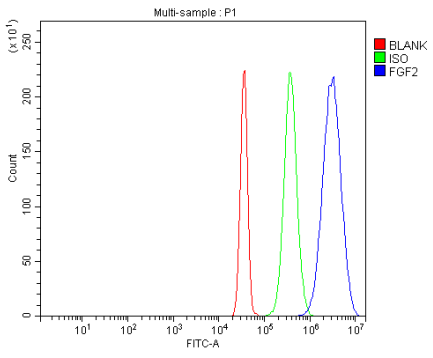

Figure 3. Flow Cytometry analysis of SiHa cells using anti-FGF2 antibody (BA14189).
Overlay histogram showing SiHa cells stained with BA14189 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-FGF2 Antibody (BA14189, 1 µg/1x10^6 cells). DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 µg/1x10^6 cells) was used as secondary antibody. Isotype control

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antibody (Green line) was rabbit IgG (Catalog # BA1045) (1 µg/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.