Product datasheet

Anti-FGFR2 Antibody

Catalog Number: *A00231-2*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-FGFR2 Antibody
Gene Name	FGFR2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human FGFR2 recombinant protein (Position: R22-E368).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	145 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 Flow Cytometry (Fixed): 1:50-200 Immunohistochemistry (IHC): 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

Fibroblast growth factor receptor 2(FGFR2) is a receptor for fibroblast growth factor encoded on a gene residing on chromosome 10. FGFR2 has also been designated as CD332. FGFR2 is a membrane-spanning tyrosine kinase that serves as a high affinity receptor for several members of the fibroblast growth factor(FGF) family. Its signals are absolutely required for vertebrate limb induction and that an FGFR2 signal is essential for the reciprocal regulation loop between FGF8 and FGF10 during limb induction. FGFR2 contributes to the outgrowth, differentiation, and maintenance of the inner cell mass and raise the possibility that this activity is mediated by FGF4 signals transmitted by FGFR2. The role of early FGF signaling in pregastrulation development as a possible adaptation to mammalian(amniote) embryogenesis is discussed.

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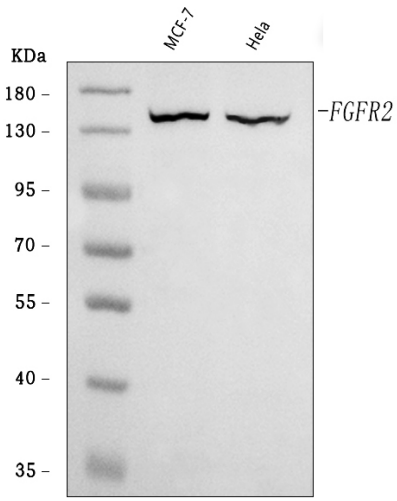
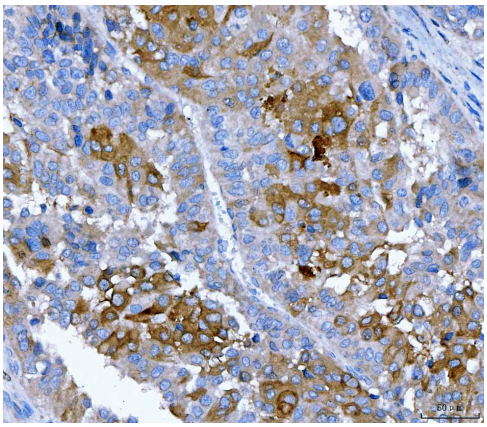
Reference

Anti-FGFR2 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of FGFR2 using anti-FGFR2 antibody (A00231-2).
The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: MCF-7 whole cell lysates,
Lane 2: Hela whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-FGFR2 antigen affinity purified polyclonal antibody (A00231-2) 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 FGFR2 at approximately 145 kDa. The expected band size for FGFR2 is at 92 kDa.



IHC analysis of FGFR2 using anti-FGFR2 antibody (A00231-2).
FGFR2 was detected in a paraffin-embedded section of human liver cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-FGFR2 Antibody (A00231-2) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.

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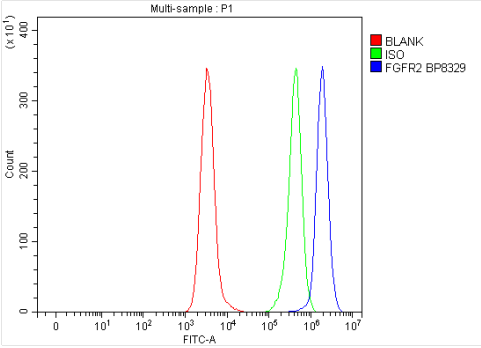

Flow Cytometry analysis of Daudi cells using anti-FGFR2 antibody (A00231-2).

Overlay histogram showing Daudi cells stained with A00231-2 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-FGFR2 Antibody (A00231-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.