

Anti-FGFR2/CD332 Antibody [A5-E10-G7-R] - BSA and Azide free

HA610003



Product Type:	Recombinant Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	WB
Molecular Wt:	Predicted band size: 92 kDa
Clone number:	A5-E10-G7-R

Description: Fibroblast growth factor receptor 2 (FGFR2) also known as CD332 has two naturally occurring isoforms FGFR2IIIb and FGFR2IIIc, created by splicing of the third immunoglobulin-like domain. FGFR2IIIb is predominantly found in ectoderm derived tissues and endothelial organ lining, i.e. skin and internal organs. FGFR2 has important roles in embryonic development and tissue repair, especially bone and blood vessels. Like the other members of the Fibroblast growth factor receptor family, these receptors signal by binding to their ligand and dimerisation (pairing of receptors), which causes the tyrosine kinase domains to initiate a cascade of intracellular signals. As mentioned, FGFR2 mutations are associated with craniosynostosis syndromes, which are skull malformations caused by premature fusion of cranial sutures and other disease features according to the mutation itself.

Immunogen: Recombinant protein within Human FGFR2 / CD332 aa 601-723 / 821.

Positive control: MCF7 cell lysate, K-562 cell lysate, HeLa cell lysate, HepG2 cell lysate, A431 cell lysate, A549 cell lysate, Jurkat cell lysate.

Subcellular location: Cell membrane, Cytoplasmic vesicle, Golgi apparatus, Membrane, Secreted.

Database links: SwissProt: P21802 Human

Recommended Dilutions:

WB 1:1,000

Storage Buffer: 1*PBS (pH7.4).

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

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Orders:0086-571-88062880

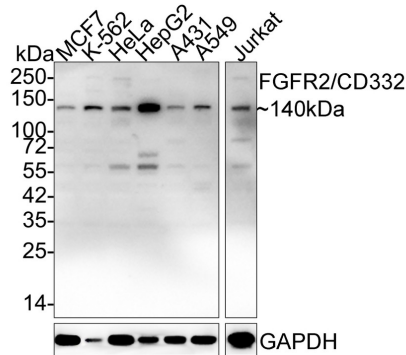
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Service mail:support@huabio.cn

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Images

Fig1: Western blot analysis of FGFR2/CD332 on different lysates with Mouse anti-FGFR2/CD332 antibody (HA610003) at 1/1,000 dilution.



Lane 1: MCF7 cell lysate

Lane 2: K-562 cell lysate

Lane 3: HeLa cell lysate

Lane 4: HepG2 cell lysate

Lane 5: A431 cell lysate

Lane 6: A549 cell lysate

Lane 7: Jurkat cell lysate

Lysates/proteins at 20 µg/Lane.

Predicted band size: 92 kDa

Observed band size: 140 kDa

Exposure time: 2 minutes 50 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA610003) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/50,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. "Fibroblast growth factor signalling: from development to cancer." Turner N., Grose R. Nat. Rev. Cancer 10:116-129(2010)
2. "FGFR2 abnormalities underlie a spectrum of bone, skin, and cancer pathologies." Kato M. J. Invest. Dermatol. 129:1861-1867(2009)
3. "Cbl-mediated degradation of Lyn and Fyn induced by constitutive fibroblast growth factor receptor-2 activation supports osteoblast differentiation." Kaabeche K., Lemonnier J., Le Mee S., Caverzasio J., Marie P.J. J. Biol. Chem. 279:36259-36267(2004)

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