

FGFR2/CD332 Mouse monoclonal antibody

Catalog: MB9029

Host: Mouse

Reactivity: Human, mouse

BackGround:

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.

Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Predicted band size:92 KDa

Observed band size:100, 150 KDa

Swiss-Prot:

P21802

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:500

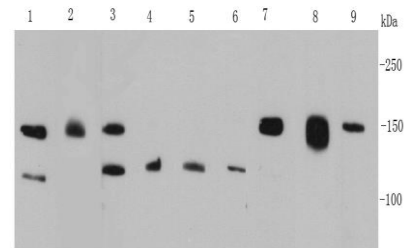
IHC/ICC: 1:100-1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of FGFR2 and does not cross-react with related proteins.

DATA:

Western blot (WB) analysis of FGFR2 Mouse mAb at 1:500 dilution

Lane1:MCF7 whole cell lysate

Lane2:K562 whole cell lysate

Lane3:Hela whole cell lysate

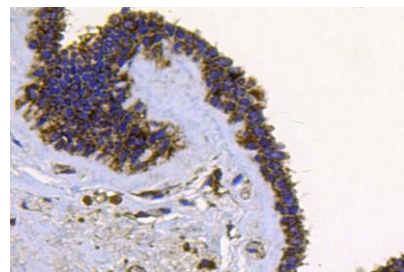
Lane4:HepG2 whole cell lysate

Lane5:A431 whole cell lysate

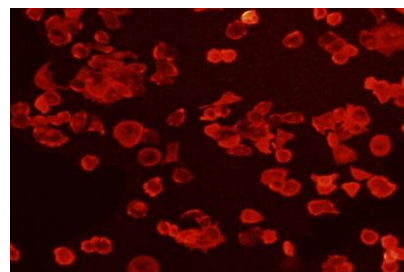
Lane6:A549 whole cell lysate

Lane7:NIH/3T3 whole cell lysate

Lane8:Jurkat whole cell lysate



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-FGFR2 antibody. Counter stained with hematoxylin.



ICC staining of FGFR2 in MCF-7 cells (red). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

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PRODUCT DATA SHEET

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Note:

For research use only, not for use in diagnostic procedure.

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