
anti-FGFR1

Cat #: HM1146
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Fibroblast growth factors (FGFs) belong to a family of growth factors that bind and activate specific cell surface receptors. These receptors include FGFR1 (Flg receptor), FGFR2 (Bek receptor), FGFR3, FGFR4, FGFR5 and FGFR6. FGFRs contain an extracellular ligand-binding region containing three immunoglobulin-like domains, a transmembrane domain and a cytoplasmic tyrosine kinase domain. Activation of FGFRs stimulates the proliferation of many cell types. FGFR1 is highly expressed in developing human tissues including the brain (preferentially in neurons), vascular basement membranes, skin, and bone growth plates. Mutations in FGFR1 are associated with Pfeiffer syndrome, a skeletal disorder characterized by craniosynostosis with deviation and enlargement of the thumbs and great toes.

SPECIFICITY

This antibody reacts with FGFR1 of mouse, rat and human origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry. Recommended dilution for Western blotting: 1:500–1:1000.

Molecular Weight of FGFR1: 120 kDa.
Western blotting positive control: rat spleen.

IMMUNOGEN

A recombinant protein corresponding to the carboxy terminus of human FGFR-1.

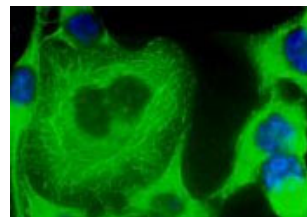
STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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DATA

Immunofluorescence staining of FGFR1 in methanol-fixed HeLa cells. The staining is mainly cytoplasmic. Nuclei were stained with DAPI counterstain.

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