

FGFR1 Rabbit mAb

Catalog No.: A29182 **Recombinant**

Basic Information

Observed MW

92 kDa/120 kDa/145 kDa

Calculated MW

6 kDa/16 kDa/33 kDa/55-98 kDa

Category

Primary antibody

Applications

WB, IP, ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC3927

Background

The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds both acidic and basic fibroblast growth factors and is involved in limb induction. Mutations in this gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, and autosomal dominant Kallmann syndrome 2. Chromosomal aberrations involving this gene are associated with stem cell myeloproliferative disorder and stem cell leukemia lymphoma syndrome. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.

Recommended Dilutions

WB 1:4000 - 1:10000**IP** 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Contact

 400-999-6126 cn.market@abclonal.com.cn

Immunogen Information

Gene ID

2260

Swiss Prot

P11362

Immunogen

This information is considered to be commercially sensitive.

Synonyms

CEK; FLG; HH2; OGD; ECCL; FLT2; KAL2; BFGFR; CD331; FGFBR; FLT-2; HBGFR; N-SAM; FGFR-1; HRTFDS; bFGF-R-1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

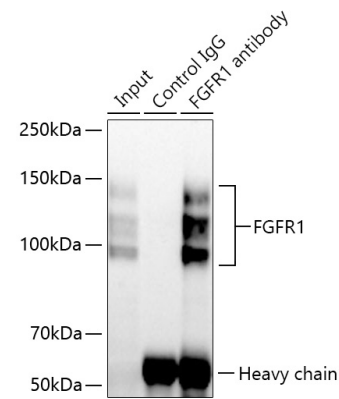
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

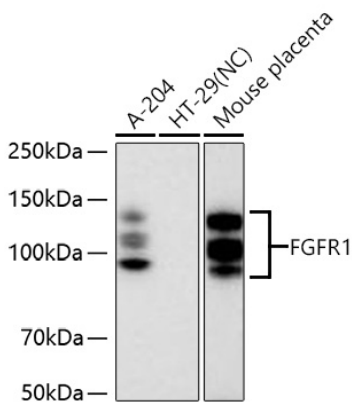


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Validation Data



Immunoprecipitation of FGFR1 from 300 µg extracts of A-204 cells was performed using 2 µg of FGFR1 Rabbit mAb (A29182). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using FGFR1 Rabbit mAb (A29182) at a dilution of 1:5000.



Western blot analysis of various lysates using FGFR1 Rabbit mAb (A29182) at 1:10000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): HT-29.
Exposure time: 90 s.