

FGF Receptor 1 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 30102

Clone No.: M5G10

Format: 250ug Protein G-purified antibody in PBS, pH 7.4

BACKGROUND

The fibroblast growth factor (FGF) family is a group of multi-functional polypeptides that function in embryonic development, tissue repair, neuronal cell survival, cardiovascular disease, and tumorigenesis. The biological activities of FGF are mediated by cell surface receptors that have tyrosine kinase activity. FGFR-1 is activated by FGF-1 and FGF-2. In neoplastic cells, overexpression of FGF-1, FGF-2 and FGF receptors appear to contribute to cellular transformation and proliferation.

SPECIFICATION SUMMARY

Antigen: Recombinant human ectodomain of FGFR-1 β expressed in *E. coli* beginning with proline 23; antigen contained NH₂-terminal gly-ser-pro-gly-ile and COOH-terminal glu-phe sequences.

Host Species: Mouse

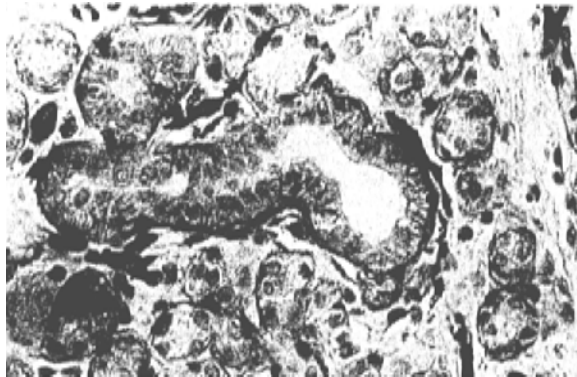
Antibody Subclass: IgG1

Accession no.: P11362

Specificity: This antibody reacts with both α (denatured) and β isoforms. Epitope is within the sequence his241 and val267 between Ig loops II and III. Epitope is masked in undenatured FGFR1 α .

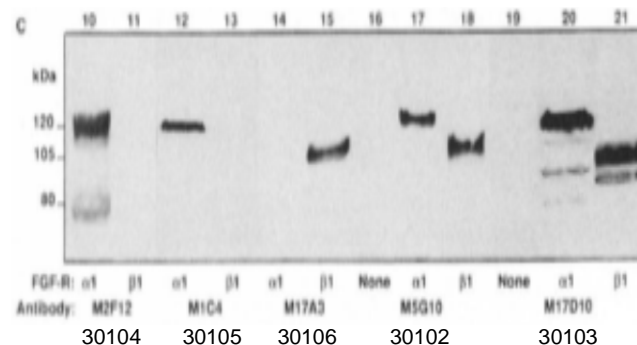
APPLICATIONS

Immunohistochemistry: 10ug/ml, paraffin-embedded tissue.



Detection of FGFR-1 in normal salivary gland.

Immunoblotting: 1ug/ml recognizes 10ng recombinant bacterial, baculoviral or native FGFR1.



Detection of α and β isoforms in recombinant FGFR-1 expressed in Sf9 cells by #30102 along with other QED Bioscience FGFR-1 MAbs.

Immunoprecipitation: native, recombinant, and ligand-labeled FGFR1.

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DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

These antibodies are stable for at least one (1) year at -20°C to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

PRODUCT REFERENCES

Xu et al. (1992) J Biol Chem 267: 17792

Wang et al. (1995) J Biol Chem 270: 10231

Myoken et al. (1996) J Pathol 178: 429

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.