

Basic Information

Product Name	Anti-FGFR2 Antibody (Clone#OTI1D3)
Gene Name	FGFR2
Source	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Species Reactivity	human, mouse, rat
Tested Application	WB, FCM
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Full length human recombinant protein of human FGFR2 (NP_000132) produced in HEK293T cell.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	89.7 kDa
Dilution Ratios	Western blot (WB): 1:2000 Flow cytometry (FCM):1:100

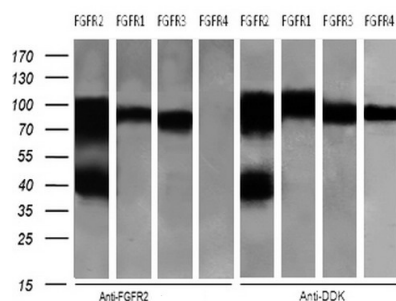
Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

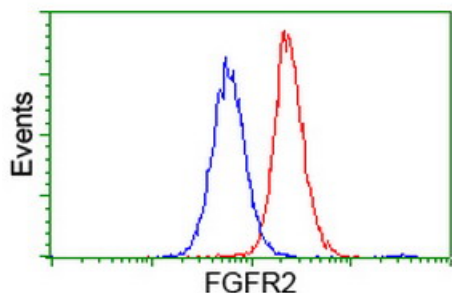
Background Information

The protein encoded by this gene is a member of the fibroblast growth factor receptor 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 is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in this gene are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. Multiple alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jan 2009]

Selected Validation Data



Cross-Reactivity of anti-FGFR2 (M00231-3) with FGFR1 and FGFR3, not with FGFR4. HEK293T cells were transfected with the DDK (FLAG)-tagged DNAs of FGFR2, FGFR1, FGFR3, FGFR4 cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FGFR2 (M00231-3). (1:500) and anti-DDK (1:2000), respectively.



Flow cytometric Analysis of HeLa cells, using anti-FGFR2 antibody, (Red), compared to a nonspecific negative control antibody, (Blue).