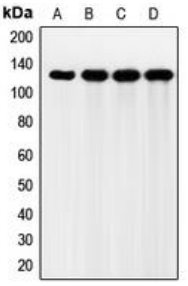
Anti-FGFR2 Antibody

CATALOG NO.:	**A2014-100 (100 µl)**

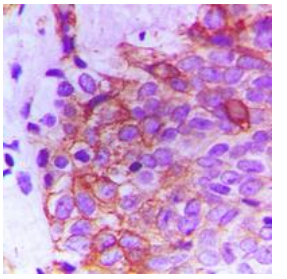
BACKGROUND DESCRIPTION: The protein encoded by this gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. 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.

ALTERNATE NAMES:	BEK; KGFR; KSAM; Fibroblast growth factor receptor 2; FGFR-2; K-sam; KGFR; Keratinocyte growth factor receptor; CD332
ANTIBODY TYPE:	Polyclonal
HOST/ISOTYPE:	Rabbit / IgG
IMMUNOGEN:	KLH-conjugated synthetic peptide targeting a sequence within the center region of human FGFR2
MOLECULAR WEIGHT:	110 kDa
PURIFICATION:	Affinity purified
FORM:	Liquid
FORMULATION:	In 0.42% Potassium phosphate; 0.87% NaCl; pH 7.3; 30% glycerol; and 0.01% sodium azide
SPECIES REACTIVITY:	Human, Mouse
STORAGE CONDITIONS:	Store at -20ºC. Avoid freeze / thaw cycles
APPLICATIONS AND USAGE:	WB 1:500 - 1:1000, IHC 1:100 - 1:200

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of FGFR2 expression in HeLa (A); Jurkat (B); HEK293T (C); mouse liver (D) whole cell lysates.



Immunohistochemical analysis of FGFR2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0), then incubated with the antibody at RT and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with hematoxylin and mounted with DPX.

RELATED PRODUCTS:

FGF-20 Antibody (5589)
FGF-1 Polyclonal Antibody (7008)
Anti-FGFR3 Antibody (A1630)
FGF-2 Antibody (5029)