Best Tools for immunology Research

FGF3 Polyclonal Antibody

Catalog No :	YN2306
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	FGF3
Fields :	>>MAPK signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>Calcium signaling pathway;>>PI3K-Akt signaling pathway;>>Regulation of actin cytoskeleton;>>Pathways in cancer;>>Chemical carcinogenesis - receptor activation;>>Melanoma;>>Breast cancer;>>Gastric cancer
Gene Name :	FGF3 INT2
Protein Name :	Fibroblast growth factor 3 (FGF-3) (Heparin-binding growth factor 3) (HBGF-3) (Proto-oncogene Int-2)
Human Gene Id :	2248
Human Swiss Prot No :	P11487
Mouse Swiss Prot No :	P05524
Immunogen :	Synthesized peptide derived from human protein . at AA range: 130-210
Specificity :	FGF3 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 26kD

Cell Pathway : MAPK_ERK_Growth;MAPK_G_Protein;Regulates Actin and Cytoskeleton;Pathways in cancer;Melanoma;

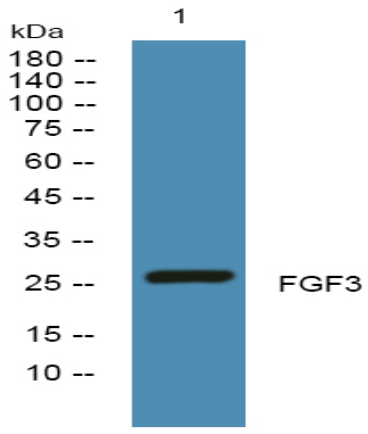
Background : The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This gene was identified by its similarity with mouse fgf3/int-2, a proto-oncogene activated in virally induced mammary tumors in the mouse. Frequent amplification of this gene has been found in human tumors, which may be important for neoplastic transformation and tumor progression. Studies of the similar genes in mouse and chicken suggested the role in inner ear formation. [provided by RefSeq, Jul 2008],

Function : disease:Defects in FGF3 are a cause of congenital deafness with inner ear agenesis microtia and microdontia [MIM:610706]. This disorder consits of a unique autosomal recessive syndrome characterized by type I microtia, microdontia, and profound congenital deafness associated with a complete absence of inner ear structures (Michel aplasia).,function:Could be involved in ear development.,similarity:Belongs to the heparin-binding growth factors family.,

Subcellular Location : Secreted .

Expression : Placenta,

Products Images



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4°over night