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Datasheet for ABIN499836
anti-FGF4 antibody (C-Term)

2 Images

Overview

Quantity:	0.1 mg
Target:	FGF4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGF4 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Immunofluorescence (IF)

Product Details

Immunogen:	FGF4 antibody was raised against a 18 amino acid peptide near the carboxy terminus of the human FGF4.
Isotype:	IgG
Specificity:	This antibody reacts to FGF4.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	FGF4
Alternative Name:	FGF4 (FGF4 Products)
Background:	Fibroblast growth factor 4 (FGF4) is a member of the fibroblast growth factor (FGF) family that

Target Details

possess broad mitogenic and cell survival activities and play key roles in growth and survival of stem cells during embryogenesis, tissue regeneration, and carcinogenesis. FGF4 was identified by its strong oncogenic transforming activity and is a potent angiogenic factor, expressed in several highly vascularized tumors and also in adult mouse testis, intestine, and brain. Studies on the mouse homolog suggests a function in bone morphogenesis and limb development through the sonic hedgehog (SHH) signaling pathway. Furthermore, FGF4 regulates neural progenitor cell proliferation and neuronal differentiation. Recent studies show a growth-promoting role for FGF4 in human embryonic stem cells and a putative feedback inhibition mechanism by a novel FGF4 splice isoform that may serve to promote differentiation at a later stages of development. Synonyms: Fibroblast growth factor 4, HST, HST-1, HSTF1, Heparin secretory-transforming protein, Heparin-binding growth factor 4, KS3, Transforming protein KS3

Gene ID: 2249

UniProt: [P08620](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Stem Cell Maintenance](#)

Application Details

Application Notes: ELISA. Western Blot: 0.5 - 1 µg/mL Immunocytochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

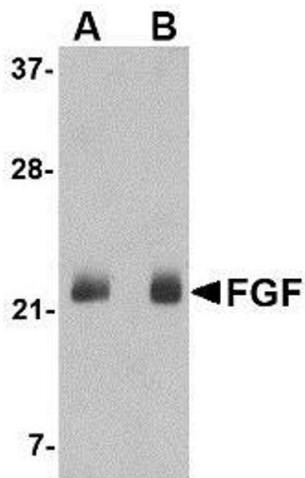
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunofluorescence

Image 1. Immunocytochemistry of FGF4 in 3T3 cells with AP30336PU-N FGF4 antibody at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of FGF4 in NIH 3T3 cell lysate with AP30336PU-N FGF4 antibody at (A) 0.5 and (B) 1 µg/ml.