

Datasheet for ABIN3030951
anti-FGFR2 antibody (AA 7-37)

10 Images

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Overview

Quantity:	0.4 mL
Target:	FGFR2
Binding Specificity:	AA 7-37
Reactivity:	Human, Mouse, Rat, Primate
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGFR2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 7-37 from the human protein was used as the immunogen for this FGFR2 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	FGFR2
Alternative Name:	FGFR2 (FGFR2 Products)
Background:	FGFR2 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

Target Details

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 the gene are associated with many craniosynostotic syndromes and bone malformations. The genomic organization of the gene encompasses 20 exons. Alternative splicing in multiple exons, including those encoding the Ig-like domains, the transmembrane region and the carboxyl terminus, results in varied isoforms which differ in structure and specificity. Isoform 1 has equal affinity for aFGF and bFGF but does not bind KGF.

UniProt: [P21802](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#), [Growth Factor Binding](#)

Application Details

Application Notes: Titration of the FGFR2 antibody may be required due to differences in protocols and secondary/substrate sensitivity. \. IHC (Paraffin): 1:25, Immunofluorescence: 1:25, Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

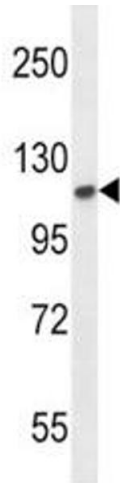
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

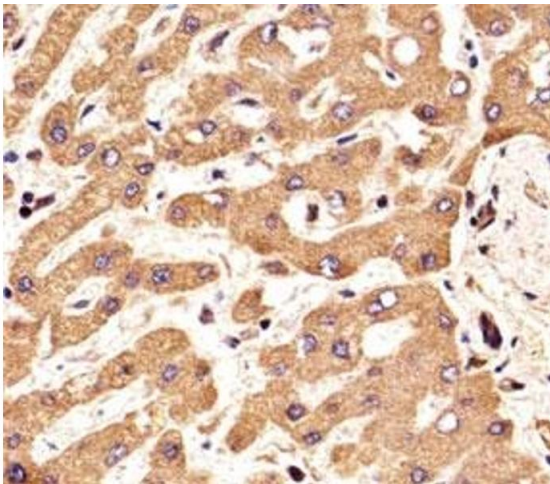
Storage: -20 °C

Storage Comment: Aliquot the FGFR2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



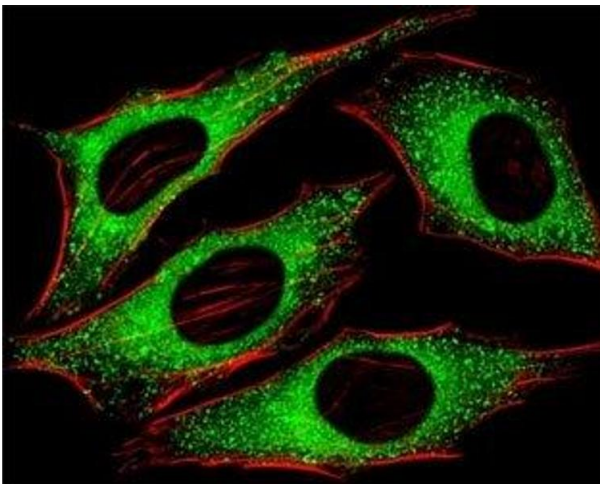
Western Blotting

Image 1. FGFR2 antibody western blot analysis in mouse NIH3T3 lysate. Predicted molecular weight: 80-120 kDa



Immunohistochemistry

Image 2. IHC analysis of FFPE human liver section using FGFR2 antibody



Immunofluorescence

Image 3. Fluorescent image of HeLa cells stained with FGFR2 antibody at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary Ab (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (re

Please check the [product details page](#) for more images. Overall 10 images are available for ABIN3030951.