

Datasheet for ABIN952316
anti-FGFR1 antibody (N-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	FGFR1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	<p>The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) 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 would consist 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. A marked difference between this gene product and the other family members is its lack of a cytoplasmic tyrosine kinase domain. The result is a transmembrane receptor that could interact with other family members and potentially inhibit signaling. Multiple alternatively spliced transcript variants encoding the same isoform have been found for this gene.</p>
Isotype:	Ig Fraction

Product Details

Specificity:	This antibody reacts to FGFR1.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

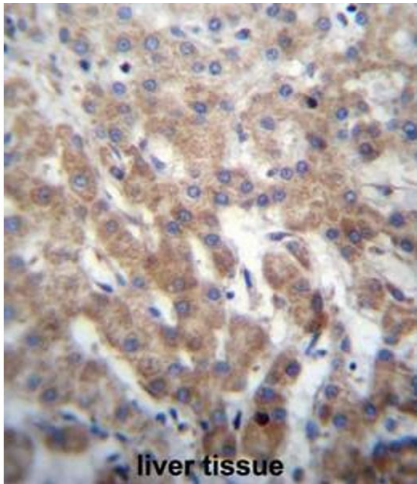
Target:	FGFR1
Alternative Name:	FGFR1 (FGFR1 Products)
Background:	Synonyms: FGF homologous factor receptor, FGFR-like protein, FGFR5, FHFR, Fibroblast growth factor receptor 5, Fibroblast growth factor receptor-like 1
Molecular Weight:	54537 Da
Gene ID:	53834
NCBI Accession:	NP_001004356
Pathways:	RTK Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

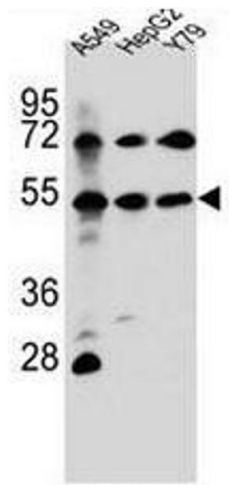
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. FGFR1 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FGFR1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. FGFR1 Antibody (N-term) western blot analysis in A549, HepG2, Y79 cell line lysates (35µg/lane). This demonstrates the FGFR1 antibody detected the FGFR1 protein (arrow).