Datasheet for ABIN3030944

anti-FGFR1 antibody (pTyr307)

2 Images

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Overview

Quantity:	0.4 mL
Target:	FGFR1
Binding Specificity:	pTyr307
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGFR1 antibody is un-conjugated
Application:	ELISA, Dot Blot (DB)

Product Details

Immunogen:	This phospho-FGFR1 antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pY307 of human FGFR1.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Chicken, Mouse
Purification:	Antigen affinity purified

Target Details

Target:	FGFR1
Alternative Name:	FGFR1 (FGFR1 Products)

Target Details

Background:	FGFR1 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 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 binds both acidic and basic fibroblast growth factors and is involved in limb induction. Mutations in this gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, and autosomal dominant Kallmann syndrome 2. Chromosomal aberrations involving this gene are associated with stem cell myeloproliferative disorder and stem cell leukemia lymphoma syndrome.
UniProt:	P11362
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Sensory Perception of Sound, Stem Cell Maintenance, S100 Proteins

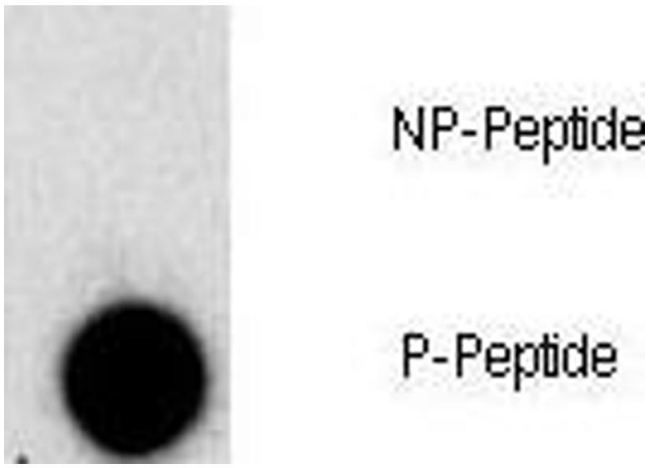
Application Details

Application Notes:	Titration of the phospho-FGFR1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Dot blot: 1:500
Restrictions:	For Research Use only

Handling

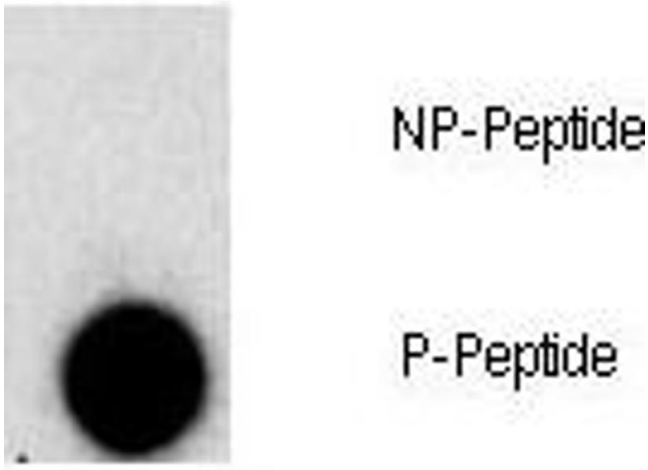
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the phospho-FGFR1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



Dot Blot

Image 1. Dot blot analysis of phospho-FGFR1 antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted. P-Pab=phos-Ab; P-Peptide=phos-peptide; NP-Peptide=nonphos-peptide.



Dot Blot

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