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Datasheet for ABIN6140615 anti-FGFR2 antibody (AA 245-345)

4 Images



Overview

Quantity:	100 µL
Target:	FGFR2
Binding Specificity:	AA 245-345
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGFR2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 245-345 of human FGFR2 (NP_001138390.1).
Sequence:	LPAPGREKEI TASPDYLEIA IYCIGVFLIA CMVVTVILCR MKNTTKKPDF SSQPAVHKLT KRIPLRRQVS AESSSSMNSN TPLVRITTRL SSTADTPMLA G
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

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Target Details	
Target:	FGFR2
Alternative Name:	FGFR2 (FGFR2 Products)
Background:	The protein encoded by this gene 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 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 this gene are associated with Crouzon syndrome, Pfeiffer syndrome,
	Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata
	syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. Multiple alternatively
	spliced transcript variants encoding different isoforms have been noted for this
	gene.,BBDS,BEK,BFR-1,CD332,CEK3,CFD1,ECT1,JWS,K-
	SAM,KGFR,TK14,TK25,FGFR2,Cancer,Signal Transduction,Kinase,Tyrosine kinases,Cell Biology
	& Developmental Biology,Growth factor,ESC Pluripotency and Differentiation,Immunology &
	Inflammation,CD markers,Neuroscience,Stem Cells,Cardiovascular,Angiogenesis,FGFR2
Molecular Weight:	28 kDa/40 kDa/76-92 kDa
Gene ID:	2263
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

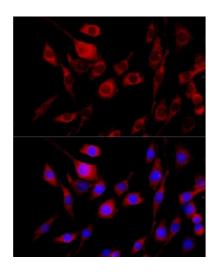
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

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Handling

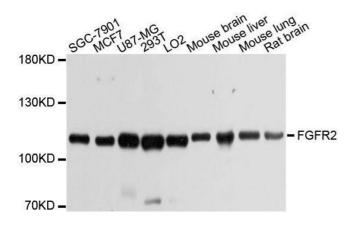
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

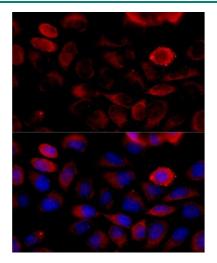
Image 1.Immunofluorescence analysis of PC-12 cells usingFGFR2antibody(ABIN6130457, ABIN6140615,ABIN6140617and ABIN6216059) at dilution of 1:100 (40xlens).Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using FGFR2 antibody.

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Immunofluorescence

Image 3.Immunofluorescence analysis of HeLa cells usingFGFR2antibody(ABIN6130457, ABIN6140615,ABIN6140617and ABIN6216059) at dilution of 1:100 (40xlens).Blue: DAPI for nuclear staining.

Please check the product details page for more images. Overall 4 images are available for ABIN6140615.