

Datasheet for ABIN5542299
anti-FGFR3 antibody (AA 529-694)

3 Images

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Overview

Quantity:	0.1 mg
Target:	FGFR3
Binding Specificity:	AA 529-694
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FGFR3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human FGFR3 (AA: 529-694) expressed in E. coli.
Clone:	1E3F9
Isotype:	IgG2a
Purification:	purified

Target Details

Target:	FGFR3
Alternative Name:	FGFR3 (FGFR3 Products)
Background:	Description: This gene encodes a member of the fibroblast growth factor receptor (FGFR)

Target Details

family, with its amino acid sequence being highly conserved between members and among divergent species. 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. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia. Three alternatively spliced transcript variants that encode different protein isoforms have been described.,

Aliases: ACH, CEK2, JTK4, CD333, HSFGR3EX

Molecular Weight:	87.7 kDa
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Gene ID:	2261
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HGNC:	2261
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Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Stem Cell Maintenance , Growth Factor Binding
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: , FCM:
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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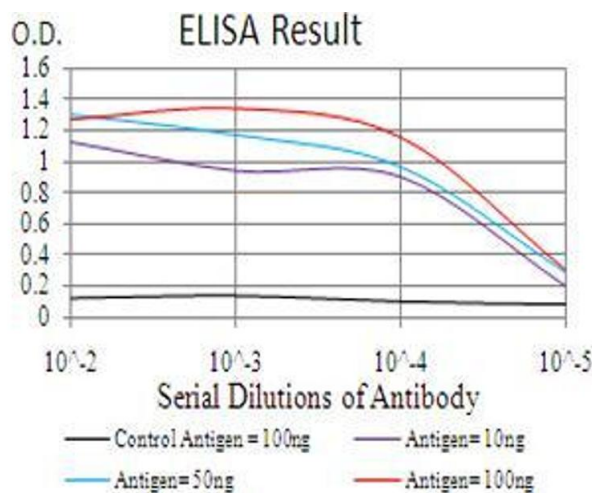
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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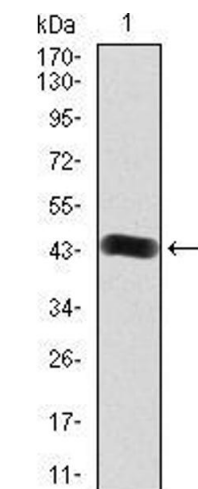
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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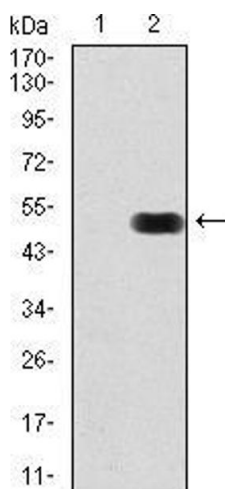
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 2. Western blot analysis using FGFR3 mAb against human FGFR3 (AA: 529-694) recombinant protein. (Expected MW is 44.1 kDa)



Western Blotting

Image 3. Western blot analysis using FGFR3 mAb against HEK293 (1) and FGFR3 (AA: 529-694)-hlgGFc transfected HEK293 (2) cell lysate.