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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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FGFR2 monoclonal antibody (M01), clone 1G3

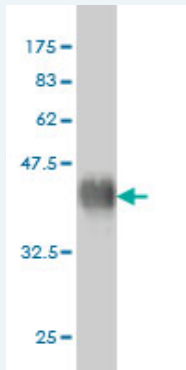
Catalog # : H00002263-M01

規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant FGFR2.
Immunogen:	FGFR2 (AAH39243, 621 a.a. ~ 723 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	GHRMDKPANCTNELYMMMRDCWHAVPSQRPTFKQLVEDLDRILTLTTN EEYLDLSQPLEQYSPSYDTRSSCSSGDDSVFSPDPMPYEPCLPQYPHI NGSVKT
Host:	Mouse
Reactivity:	Human
Specificity:	This antibody cross-reacts with human FGFR1 and human FGFR3.
Isotype:	IgG2b kappa
Quality Control Testing:	Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.07 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

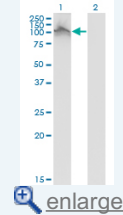
Datasheet: [Download](#)

Publication Reference

- [Epithelial-mesenchymal transition confers resistance to selective FGFR inhibitors in SNU-16 gastric cancer cells.](#)
Grygielewicz P, Dymek B, Bujak A, Gunerka P, Stanczak A, Lamparska-Przybysz M, Wiczorek M, Dzwonek K, Zdzalik DGastric Cancer. 2014 Nov 19.
- [Mannose phosphate isomerase regulates fibroblast growth factor receptor family signaling and glioma radiosensitivity.](#)
Cazet A, Charest J, Bennett DC, Sambrooks CL, Contessa JNPLoS One. 2014 Oct 14;9(10):e110345. doi: 10.1371/journal.pone.0110345. eCollection 2014.

Application Image

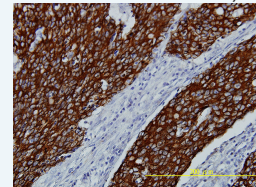
Western Blot (Transfected lysate)



[enlarge](#)

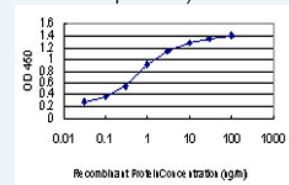
Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



[enlarge](#)

Sandwich ELISA (Recombinant protein)



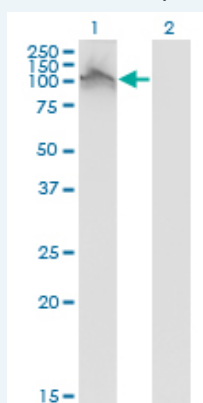
[enlarge](#)

ELISA

3. [Low Prognostic Implication of Fibroblast Growth Factor Family Activation in Triple-negative Breast Cancer Subsets.](#)
Lee HJ, Seo AN, Park SY, Kim JY, Park JY, Yu JH, Ahn JH, Gong G. *Ann Surg Oncol*. 2014 Jan 3.
4. [Upregulation of ANGPTL4 Messenger RNA and Protein in Severely Calcified Carotid Plaques.](#)
Katano H, Yamada KJ. *Stroke Cerebrovasc Dis*. 2013 Sep 26. pii: S1052-3057(13)00329-7. doi: 10.1016/j.jstrokecerebrovasdis.2013.07.046.
5. [The expression of fibroblast growth factor receptors during early bovine conceptus development and pharmacological analysis of their actions on trophoblast growth in vitro.](#)
Ozawa M, Yang QE, Ealy AD. *Reproduction*. 2013 Jan 24;145(2):191-201. doi: 10.1530/REP-12-0220. Print 2013.
6. [Differential expression of growth factor receptors and membrane-bound tumor markers for imaging in male and female breast cancer.](#)
Vermeulen JF, Kornegoor R, van der Wall E, van der Groep P, van Diest PJ. *PLoS One*. 2013;8(1):e53353. doi: 10.1371/journal.pone.0053353. Epub 2013 Jan 4.


Applications

Western Blot (Transfected lysate)




Western Blot analysis of FGFR2 expression in transfected 293T cell line by FGFR2 monoclonal antibody (M01), clone 1G3.

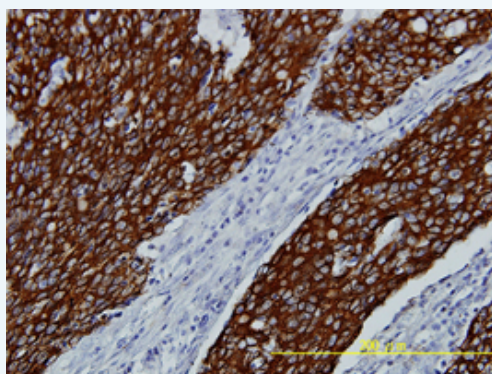
Lane 1: FGFR2 transfected lysate (Predicted MW: 92 KDa).
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

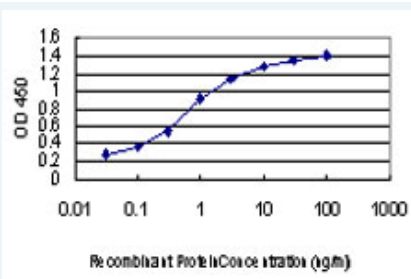


 [enlarge this image](#)


Immunoperoxidase of monoclonal antibody to FGFR2 on formalin-fixed paraffin-embedded human stomach carcinoma tissue. [antibody concentration 5 ug/ml]

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged FGFR2 is approximately 0.03ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [2263](#)

GeneBank [BC039243](#)

Accession#:

Protein [AAH39243](#)

Accession#:

Gene Name: FGFR2

Gene Alias: BEK,BFR-1,CD332,CEK3,CFD1,ECT1,FLJ98662,JWS,K-SAM,KGFR,TK14,TK25

Gene fibroblast growth factor receptor 2

Description:

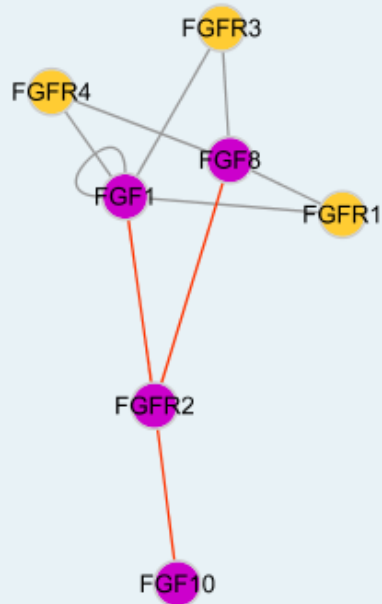
Omim ID: [101200](#), [101400](#), [101600](#), [123150](#), [123500](#), [123790](#), [137215](#), [149730](#), [176943](#), [207410](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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. [provided by RefSeq]

Other Designations: BEK fibroblast growth factor receptor,FGF receptor,OTTHUMP00000020621,OTTHUMP00000020629,bacteria-expressed kinase,hydroxyaryl-protein kinase,keratinocyte growth factor receptor,protein tyrosine kinase, receptor like 14,soluble FGFR4 variant 4

Interactome



Gene Pathway

[Endocytosis](#) [MAPK signaling pathway](#) [Pathways in cancer](#) [Prostate cancer](#)
[Regulation of actin cytoskeleton](#)

Related Disease

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[Alzheimer disease](#) [Birth Weight](#) [Breast cancer](#) [Breast Neoplasms](#) [Bronchial Hyperreactivity](#)
[Carcinoma, Basal Cell](#) [Carcinoma, Endometrioid](#) [Carcinoma, Squamous Cell](#)
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[Cystadenocarcinoma, Serous](#) [Depressive Disorder, Major](#)

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