

Product Datasheet

FGFR2 Antibody (1G3) - Azide and BSA Free H00002263-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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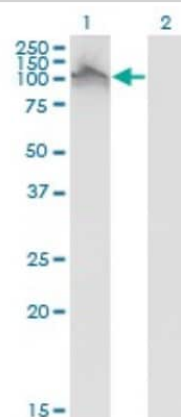
H00002263-M01

FGFR2 Antibody (1G3) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1G3
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	2263
Gene Symbol	FGFR2
Species	Human, Bovine
Specificity/Sensitivity	FGFR2 - fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome). This antibody cross-reacts with human FGFR1 and human FGFR3.
Immunogen	FGFR2 (AAH39243, 621 a.a. ~ 723 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. GHRMDKPANCTNELYMMMRDCWHAVPSQRPTFKQLVEDLDRILTLTTNEEYL DLSQPLEQYSPSYDPDRSSCSSGDDSVFSPDPMPYEPCLPQYPHINGSVKT
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Sandwich ELISA
Application Notes	Antibody reactivity against recombinant protein for WB. It has been used for IHC-P and ELISA. Use in Immunohistochemistry reported in scientific literature (PMID: 25834803).

Images

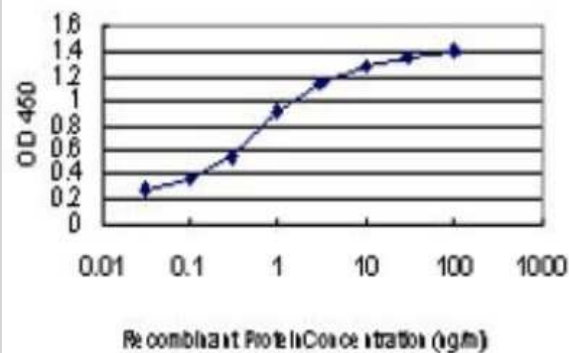
Western Blot: FGFR2 Antibody (1G3) [H00002263-M01] - Analysis of FGFR2 expression in transfected 293T cell line by FGFR2 monoclonal antibody (M01), clone 1G3. Lane 1: FGFR2 transfected lysate (Predicted MW: 92 KDa). Lane 2: Non-transfected lysate.



Immunohistochemistry-Paraffin: FGFR2 Antibody (1G3) [H00002263-M01] - Analysis of monoclonal antibody to FGFR2 on formalin-fixed paraffin-embedded human stomach carcinoma tissue. Antibody concentration 5 ug/ml.



Sandwich ELISA: FGFR2 Antibody (1G3) [H00002263-M01] - Detection limit for recombinant GST tagged FGFR2 is approximately 0.03ng/ml as a capture antibody.



Publications

Kamil M, Kamila K, Marcin B et al. FGF7/FGFR2-JunB signalling counteracts the effect of progesterone in luminal breast cancer. *Mol Oncol*. 2022-06-20 [PMID: 35726195]

Marcin B, Dominika P, Mateusz B et al. A 'Real-Life' Experience on Automated Digital Image Analysis of FGFR2 Immunohistochemistry in Breast Cancer. *Diagnostics (Basel)*. 2020-12-07 [PMID: 33297384]

Turczyk L, Kitowska K, Mieszkowska M et al. FGFR2-Driven Signaling Counteracts Tamoxifen Effect on ER⁺-Positive Breast Cancer Cells. *Neoplasia*. 2017-09-01 [PMID: 28869838]

Yoon G, Lee H, Kim JH et al. Clinical significance of fibroblast growth factor receptor 2 expression in patients with residual rectal cancer after preoperative chemoradiotherapy: relationship with KRAS or BRAF mutations and MSI status. *Tumour Biol* 2016-01-30 [PMID: 26831663]

Czaplinska D, Mieczkowski K, Supernat A et al. Interactions between FGFR2 and RSK2-implications for breast cancer prognosis. *Tumour Biol* 2016-07-30 [PMID: 27476168]

Akizawa H, Nagatomo H, Odagiri H et al. Conserved roles of fibroblast growth factor receptor 2 signaling in the regulation of inner cell mass development in bovine blastocysts. *Mol Reprod Dev* 2016-06-01 [PMID: 27060901]

Lee HJ, Kang HJ, Kim KM et al. Fibroblast growth factor receptor isotype expression and its association with overall survival in patients with hepatocellular carcinoma. *Clin Mol Hepatol* 2015-03-01 [PMID: 25834803] (IF/IHC, Human)

Ozawa M, Yang QE, Ealy AD. The expression of fibroblast growth factor receptors during early bovine conceptus development and pharmacological analysis of their actions on trophoblast growth in vitro. *Reproduction*. 2013-01-24 [PMID: 23241344]

Vermeulen JF, Kornegoor R, van der Wall E et al. Differential expression of growth factor receptors and membrane-bound tumor markers for imaging in male and female breast cancer. *PLoS One*. 2013-01-04 [PMID: 23308200]

Katano H, Yamada K, et al. Upregulation of ANGPTL4 Messenger RNA and Protein in Severely Calcified Carotid Plaques. *J Stroke Cerebrovasc Dis* 2013-09-26 [PMID: 24075588]

Lee HJ, Seo AN, Park SY et al. Low Prognostic Implication of Fibroblast Growth Factor Family Activation in Triple-negative Breast Cancer Subsets. *Ann Surg Oncol*. 2014-01-03 [PMID: 24385208]

Cazet A, Charest J, Bennett DC et al. Mannose phosphate isomerase regulates fibroblast growth factor receptor family signaling and glioma radiosensitivity. *PLoS One*. 2014-10-14 [PMID: 25314669]

More publications at <http://www.novusbio.com/H00002263-M01>



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Products Related to H00002263-M01

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-59905-50ug	Recombinant Human FGFR2 hlgG-His Protein

Limitations

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