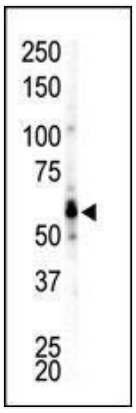
FGR Antibody – Rabbit Polyclonal

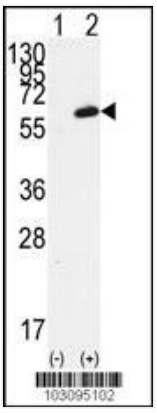
PRODUCT OVERVIEW

Product Name	FGR, Polyclonal Antibody
Full Product Name	FGR, NT (Proto-oncogene c-Fgr, Tyrosine-protein Kinase Fgr, P55-FGR, SRC2) (APC)
Product Gene Name	anti-FGR antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human FGR.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Do not freeze APC conjugates. Light sensitive. Aliquots are stable for at least 6 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	59,479 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (27938800..27961727, complement). Location: 1p36.2-p36.1
OMIM	164940
3D Structure	ModBase 3D Structure for P09769
Immunogen	Synthetic peptide selected from the N-terminal region of human FGR (KLH).
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-FGR antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-FGR antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-FGR antibody	IHC: 1:50-1:100 FLISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-FGR antibody	MBS6475935 is an antibody targeting FGR. Also known as FGR, NT (Proto-oncogene c-Fgr, Tyrosine-protein Kinase Fgr, P55-FGR, SRC2) (APC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-FGR antibody	1. Carriero, M.V., et al., Biol. Chem. 383(1):107-113 (2002). 2. Katamine, S., et al., Mol. Cell. Biol. 8(1):259-266 (1988). 3. Nishizawa, M., et al., Mol. Cell. Biol. 6(2):511-517 (1986). 4. Cheah, M.S., et al., Nature 319(6050):238-240 (1986). 5. Tronick, S.R., et al., Proc. Natl. Acad. Sci. USA 82(19):6595-6599 (1985). 6.Oleg Tatarov, et al. Clin. Cancer Res. published 15 May 2009, 10.1158/1078-0432. CCR-08-1857. (E-pub).

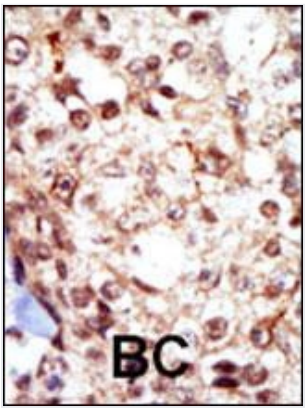
Other Notes	Small volumes of anti-FGR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



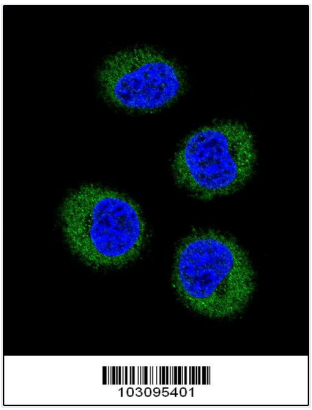
Western Blot (WB) of anti-FGR antibody
The anti-FGR Pab is used in Western blot to detect FGR in Ramos cell lysate.



Western Blot (WB) of anti-FGR antibody
Western blot analysis of FGR (arrow) using FGR Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the FGR gene (Lane 2) (Origene Technologies).



Immunohistochemistry (IHC) of anti-FGR antibody
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



Immunofluorescence (IF) of anti-FGR antibody
Confocal immunofluorescent analysis of FGR Antibody (N-term) with MDA-MB231 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FGR. It may not necessarily be applicable to this product.

NCBI GI #	112382241
NCBI GeneID	2268
NCBI Accession #	NP_001036194.1
UniProt Primary Accession #	P09769
UniProt Secondary Accession #	Q9UIQ3; D3DPL7
UniProt Related Accession #	P09769
GenBank Nucleotide #	NM_001042729.1
NCBI Official Full Name	tyrosine-protein kinase Fgr
NCBI Official Synonym Full Names	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog
NCBI Official Symbol	FGR

NCBI Official Synonym Symbols	SRC2; c-fgr; c-src2; p55-Fgr; p58-Fgr; p55c-fgr; p58c-fgr
UniProt Protein Name	Tyrosine-protein kinase Fgr
UniProt Synonym Protein Names	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog; Proto-oncogene c-Fgr; p55-Fgr; p58-Fgr; p58c-Fgr
Protein Family	Tyrosine-protein kinase
UniProt Gene Name	FGR
UniProt Synonym Gene Names	SRC2
UniProt Entry Name	FGR_HUMAN
NCBI Protein Information	tyrosine-protein kinase Fgr; p55-c-fgr protein; c-fgr protooncogene; proto-oncogene c-Fgr; c-src-2 proto-oncogene; proto-oncogene tyrosine-protein kinase FGR
NCBI Summary for FGR	This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein contains N-terminal sites for myristylation and palmitylation, a PTK domain, and SH2 and SH3 domains which are involved in mediating protein-protein interactions with phosphotyrosine-containing and proline-rich motifs, respectively. The protein localizes to plasma membrane ruffles, and functions as a negative regulator of cell migration and adhesion triggered by the beta-2 integrin signal transduction pathway. Infection with Epstein-Barr virus results in the overexpression of this gene. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]
UniProt Comments for FGR	FGR: a non-receptor tyrosine kinase of the Src family. Contains one SH2 and one SH3 domain. Beta 2 integrin signaling induces its c-Cbl-mediated ubiquitination in adherent neutrophils. An ortholog of v-fgr feline oncogene. Mildly amplified in hormone-resistant prostate cancer. Copy number either increased or decreased in other cancers. Protein type: Protein kinase, TK; Kinase, protein; EC 2.7.10.2; Mitochondrial; Oncoprotein; Protein kinase, tyrosine (non-receptor); TK group; Src family Chromosomal Location of Human Ortholog: 1p36.2-p36.1 Cellular Component: extrinsic to internal side of plasma membrane; cytoskeleton; mitochondrial inner membrane; plasma membrane; mitochondrial intermembrane space; cytosol; actin cytoskeleton Molecular Function: protein binding; phosphotyrosine binding; protein-tyrosine kinase activity; non-membrane spanning protein tyrosine kinase activity; protein kinase binding; ATP binding Biological Process: integrin-mediated signaling pathway; cell migration; peptidyl-tyrosine phosphorylation; response to virus; protein amino acid autophosphorylation; positive regulation of phosphoinositide 3-kinase activity; immune response-regulating cell surface receptor signaling pathway; positive regulation of mast cell degranulation; regulation of phagocytosis; protein amino acid phosphorylation; regulation of innate immune response; regulation of cell proliferation; positive regulation of phosphoinositide 3-kinase cascade; regulation of cell shape; defense response to Gram-positive bacterium; innate immune response; regulation of protein kinase activity; blood coagulation; cell differentiation; transmembrane receptor protein tyrosine kinase signaling pathway; positive regulation of cell migration; positive regulation of cytokine secretion
Research Articles on FGR	**1.** Fgr plays a biologically significant role in ovarian cancer growth and might represent an important target
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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