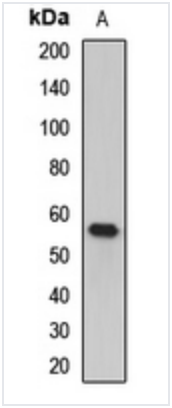
c-FGR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	c-FGR, Polyclonal Antibody
Full Product Name	Rabbit anti-c-FGR Antibody
Product Gene Name	anti-c-FGR antibody
Product Synonym Names	SRC2; Tyrosine-protein kinase Fgr; Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog; Proto-oncogene c-Fgr; p55-Fgr; p58-Fgr; p58c-Fgr
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
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	KLH-conjugated synthetic peptide of human c-FGR
Product Categories/Family for anti-c-FGR antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-c-FGR antibody	Western Blot (WB)
Application Notes for anti-c-FGR antibody	WB: 1:500-1:2000
Related Product Information for anti-c-FGR antibody	MBS4505438 is an antibody targeting c-FGR. Also known as Rabbit anti-c-FGR Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-c-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-c-FGR antibody
Western blot analysis of c-FGR expression in HL60 (A) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for c-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 c-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 c-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 c-FGR	**1.** Fgr plays a biologically significant role in ovarian cancer growth and might represent an important target
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