FGR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Fgr, Polyclonal Antibody
Full Product Name	Fgr (Tyrosine-Protein Kinase Fgr, Proto-Oncogene c-Fgr, p55-Fgr, Fgr) (MaxLight 490)
Product Gene Name	anti-Fgr antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Rat
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes rat Fgr. Species Crossreactivity: rat
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	58,867 Da
3D Structure	ModBase 3D Structure for P14234
Immunogen	KLH conjugated synthetic peptide corresponding to aa232-265 at the Central region of Mouse Fgr.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-Fgr antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-Fgr antibody	Western Blot (WB)
Application Notes for anti-Fgr antibody	WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-Fgr antibody	MBS6456157 is an antibody targeting Fgr. Also known as Fgr (Tyrosine-Protein Kinase Fgr, Proto-Oncogene c-Fgr, p55-Fgr, Fgr) (MaxLight 490). Reactive in Rat. Host: Rabbit.
Product References and Citations for anti-Fgr antibody	Yi T.L., et al. Oncogene 4:1081-1087(1989). King F.J., et al. Oncogene 5:337-344(1990). Carninci P., et al. Science 309:1559-1563(2005). Church D.M., et al. PLoS Biol. 7:E1000112-E1000112(2009). Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
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.

ADDITIONAL DETAILS

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

NCBI GI #	171542819

NCBI GeneID	14191
NCBI Accession #	NP_034338.3
UniProt Primary Accession #	P14234
UniProt Secondary Accession #	Q61404; Q8BGM0
UniProt Related Accession #	P14234
GenBank Nucleotide #	NM_010208.4
NCBI Official Full Name	tyrosine-protein kinase Fgr
NCBI Official Synonym Full Names	Gardner-Rasheed feline sarcoma viral (Fgr) oncogene homolog
NCBI Official Symbol	Fgr
UniProt Protein Name	Tyrosine-protein kinase Fgr
UniProt Synonym Protein Names	Proto-oncogene c-Fgr; p55-Fgr
Protein Family	Tyrosine-protein kinase
UniProt Gene Name	Fgr
UniProt Entry Name	FGR_MOUSE
NCBI Protein Information	tyrosine-protein kinase Fgr; p55-Fgr; proto-oncogene c-Fgr; proto-oncogene tyrosine-protein kinase Fgr
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: Oncoprotein; Mitochondrial; EC 2.7.10.2; Protein kinase, TK; Kinase, protein; Protein kinase, tyrosine (non-receptor); TK group; Src family Cellular Component: extrinsic to internal side of plasma membrane; cytoskeleton; cell projection; membrane; mitochondrion; cytoplasm; mitochondrial inner membrane; plasma membrane; cytosol; actin cytoskeleton Molecular Function: transferase activity; protein binding; phosphotyrosine binding; protein-tyrosine kinase activity; transferase activity, transferring phosphorus-containing groups; nucleotide binding; non-membrane spanning protein tyrosine kinase activity; kinase activity; protein kinase binding; ATP binding; protein kinase activity Biological Process: integrin-mediated signaling pathway; peptidyl-tyrosine phosphorylation; immune system process; protein amino acid autophosphorylation; positive regulation of phosphoinositide 3-kinase activity; 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; regulation of actin cytoskeleton organization and biogenesis; innate immune response; cell differentiation; regulation of protein kinase activity; phosphorylation; transmembrane receptor protein tyrosine kinase signaling pathway; positive regulation of cytokine secretion; positive regulation of cell migration
Research Articles on Fgr	**1.** The Src family kinases Hck, Fgr, and Lyn are critical for the generation of the in vivo inflammatory environment without a direct role in leukocyte recruitment.
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