Datasheet for ABIN7174021

anti-Fgr antibody (AA 11-72) (Biotin)

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Overview

Quantity:	100 µg
Target:	Fgr (FGR)
Binding Specificity:	AA 11-72
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Fgr antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Tyrosine-protein kinase Fgr protein (11-72AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Fgr (FGR)
Alternative Name:	FGR (FGR Products)
Background:	Background: Non-receptor tyrosine-protein kinase that transmits signals from cell surface receptors devoid of kinase activity and contributes to the regulation of immune responses,

Target Details

	including neutrophil, monocyte, macrophage and mast cell functions, cytoskeleton remodeling in response to extracellular stimuli, phagocytosis, cell adhesion and migration. Promotes mast cell degranulation, release of inflammatory cytokines and IgE-mediated anaphylaxis. Acts downstream of receptors that bind the Fc region of immunoglobulins, such as MS4A2/FCER1B, FCGR2A and/or FCGR2B. Acts downstream of ITGB1 and ITGB2, and regulates actin cytoskeleton reorganization, cell spreading and adhesion. Depending on the context, activates or inhibits cellular responses. Functions as negative regulator of ITGB2 signaling, phagocytosis and SYK activity in monocytes. Required for normal ITGB1 and ITGB2 signaling, normal cell spreading and adhesion in neutrophils and macrophages. Functions as positive regulator of cell migration and regulates cytoskeleton reorganization via RAC1 activation. Phosphorylates SYK (in vitro) and promotes SYK-dependent activation of AKT1 and MAP kinase signaling. Phosphorylates PLD2 in antigen-stimulated mast cells, leading to PLD2 activation and the production of the signaling molecules lysophosphatidic acid and diacylglycerol. Promotes activation of PIK3R1. Phosphorylates FASLG, and thereby regulates its ubiquitination and subsequent internalization. Phosphorylates ABL1. Promotes phosphorylation of CBL, CTTN, PIK3R1, PTK2/FAK1, PTK2B/PYK2 and VAV2. Phosphorylates HCLS1 that has already been phosphorylated by SYK, but not unphosphorylated HCLS1. Aliases: c fgr antibody, c fgr protooncogene antibody, c src 2 proto oncogene antibody, c src2 antibody, Fgr antibody, FGR_HUMAN antibody, FLJ43153 antibody, Gardner Rasheed feline sarcoma viral (v fgr) antibody, Gardner Rasheed feline sarcoma viral (v fgr) oncogene homolog antibody, Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog antibody, MGC75096 antibody, p55 c fgr protein antibody, P55 FGR antibody, P55-FGR antibody, p55c fgr antibody, p58-Fgr antibody, p58c fgr antibody, p58c-Fgr antibody, Proto oncogene c Fgr antibody, Proto oncogene tyrosine protein kinase FGR antibody, Proto-oncogene c-Fgr antibody, SRC 2 antibody, SRC2 antibody, Tyrosine protein kinase Fgr antibody, Tyrosine-protein kinase Fgr antibody
UniProt:	P09769
Pathways:	Sensory Perception of Sound, Stem Cell Maintenance, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, CXCR4-mediated Signaling Events, Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.