

Datasheet for ABIN6243661  
**anti-Fgr antibody (AA 232-265)**



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1 Image

## Overview

Quantity:	400 µL
Target:	Fgr (FGR)
Binding Specificity:	AA 232-265
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Fgr antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This Mouse Fgr antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 232-265 amino acids from the Central region of Mouse Fgr.
Clone:	RB50283
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Fgr (FGR)
Alternative Name:	Fgr ( <a href="#">FGR Products</a> )
Background:	Non-receptor tyrosine-protein kinase that transmits signals from cell surface receptors devoid

## Target Details

of kinase activity and contributes to the regulation of immune responses, 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, FCER1G and FCGR2. 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 (PubMed:11672534). Required for normal ITGB1 and ITGB2 signaling, normal cell spreading and adhesion in neutrophils and macrophages (PubMed:8666673 and PubMed:9687507). Functions as positive regulator of cell migration and regulates cytoskeleton reorganization via RAC1 activation (PubMed:15561106). Phosphorylates SYK (in vitro) and promotes SYK-dependent activation of AKT1 and MAP kinase signaling (PubMed:21746961). 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.

Molecular Weight:	58867
UniProt:	<a href="#">P14234</a>
Pathways:	<a href="#">Sensory Perception of Sound</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Thromboxane A2 Receptor Signaling</a>

## Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

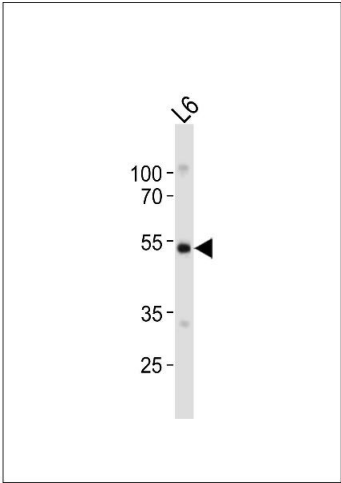
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide

## Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

## Images



### Western Blotting

**Image 1.** Western blot analysis of lysate from rat L6 cell line, using Fgr Antibody (Center) (ABIN6243661 and ABIN6577785). (ABIN6243661 and ABIN6577785) was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20 µg.