

FGR Antibody

Catalog No: #32587

Package Size: #32587-1 50ul #32587-2 100ul

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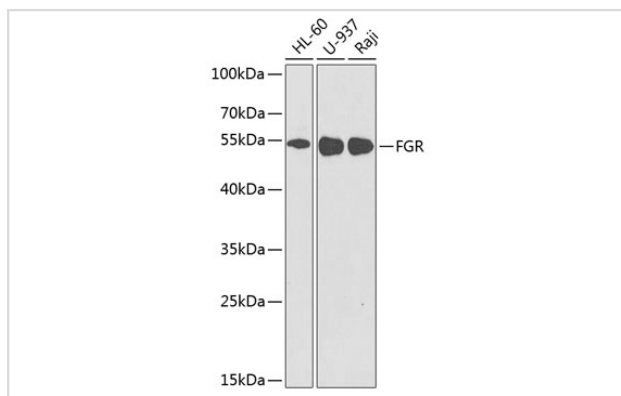
Description

Product Name	FGR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total FGR protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human FGR.
Target Name	FGR
Other Names	FGR; SRC2; c-fgr; c-src2; p55-Fgr
Accession No.	Swiss-Prot:P09769NCBI Gene ID:2268
Uniprot	P09769
GeneID	2268;
SDS-PAGE MW	56KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB 1:500 - 1:2000 IHC 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using FGR at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.

Background

Fgr is a member of the Src tyrosine kinase family. It has a membrane-associated amino-terminal domain that is highly divergent from other family members, internal conserved SH2 and SH3 domains and a highly conserved carboxy-terminal tyrosine kinase catalytic domain (1,2). Tyrosine 412 is located in the activation loop, and phosphorylation of this residue is critical for the activation of Fgr tyrosine kinase activity. c-Fgr is predominantly expressed in cells of hematopoietic origin including differentiated myeloid cells, NK and B cells (3,4). Fgr plays an important role in the signaling cascade from membrane receptors lacking intrinsic tyrosine kinase activity such as Bcr, FcR, and the integrin family of receptors (5). It was demonstrated that Fgr functions as a selective inhibitor of beta2 integrin-mediated signaling and Syk kinase function in monocytes (5).

Note: This product is for in vitro research use only