

Product datasheet

Anti-FGR antibody ab65007

画像数 1

製品の概要

製品名	Anti-FGR antibody
製品の詳細	Rabbit polyclonal to FGR
由来種	Rabbit
特異性	This antibody detects endogenous levels of total FGR protein.
アプリケーション	適用あり: WB, ELISA
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	A synthetic peptide derived from an internal region of human FGR
ポジティブ・コントロール	Extracts from COLO205 and HUVEC cells

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
精製度	Immunogen affinity purified
特記事項 (精製)	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
ポリモノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab65007** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

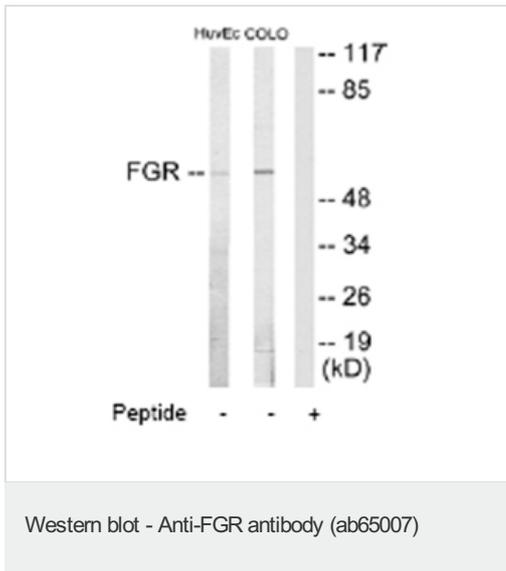
アプリケーション	Abreviews	特記事項
WB		1/500 - 1/1000. Detects a band of approximately 59 kDa (predicted molecular weight: 59 kDa).

アプリケーション	Abreviews	特記事項
ELISA		1/5000.

ターゲット情報

機能	<p>Non-receptor tyrosine-protein kinase that transmits signals from cell surface receptors devoid 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, 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.</p>
組織特異性	<p>Detected in neutrophils, monocytes and natural killer cells (at protein level). Detected in monocytes and large lymphocytes.</p>
関連疾患	<p>Mutations that cause aberrant kinase activation can confer oncogene activity and promote aberrant cell proliferation.</p>
配列類似性	<p>Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily. Contains 1 protein kinase domain. Contains 1 SH2 domain. Contains 1 SH3 domain.</p>
翻訳後修飾	<p>Ubiquitinated. Becomes ubiquitinated in response to ITGB2 signaling; this does not lead to degradation. Phosphorylated. Autophosphorylated on tyrosine residues. Becomes phosphorylated in response to FCGR2A and/or FCGR2B engagement, cell adhesion and signaling by ITGB2. Prior phosphorylation at Tyr-523 by SRC inhibits ulterior autophosphorylation at Tyr-412.</p>
細胞内局在	<p>Cell membrane. Cell membrane. Cell projection > ruffle membrane. Cytoplasm > cytosol. Cytoplasm > cytoskeleton. Mitochondrion inner membrane. Mitochondrion intermembrane space. Detected in mitochondrial intermembrane space and at inner membranes (By similarity). Colocalizes with actin fibers at membrane ruffles. Detected at plasma membrane lipid rafts.</p>

画像



All lanes : Anti-FGR antibody (ab65007) at 1/500 dilution

Lane 1 : Extracts from HUVEC cells

Lane 2 : Extracts from COLO205 cells

Lane 3 : Extracts from COLO205 cells with immunizing peptide

Lysates/proteins at 5 µg per lane.

Predicted band size: 59 kDa

Observed band size: 59 kDa

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