

Anti-FGR antibody ab58228

2 图像

概述

产品名称	Anti-FGR抗体
描述	小鼠单克隆抗体to FGR
宿主	Mouse
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human
免疫原	Recombinant fragment: MGCVFCKKLE PVATAKEDAG LEGDFRSYGA ADHYGPDPTK ARPASSFAHI PNYSNFSSQA INPGFLDSGT IRGVSGIGVT LFIALYDYEA , corresponding to amino acids 1-90 of Human FGR Run BLAST with Expasy Run BLAST with NCBI

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG2a
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab58228于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

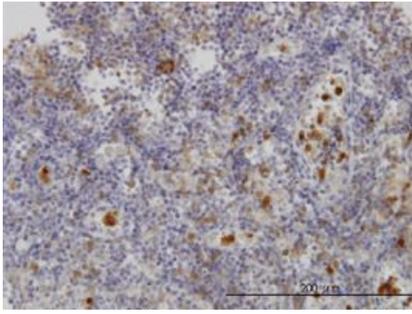
应用	Ab评论	说明
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 59 kDa.

应用	Ab评论	说明
IHC-P		Use a concentration of 3 µg/ml.

靶标

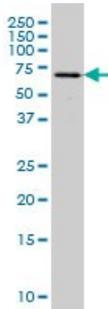
功能	<p>Non-receptor tyrosine-protein kinase that transmits signals from cell surface receptors devoid of kinase activity and contributes to the regulation of immune responses, including neutrophil, monocyte, macrophage and mast cell functions, cytoskeleton remodeling in response to extracellular stimuli, 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>
组织特异性	<p>Detected in neutrophils, monocytes and natural killer cells (at protein level). Detected in monocytes and large lymphocytes.</p>
疾病相关	<p>Mutations that cause aberrant kinase activation can confer oncogene activity and promote aberrant cell proliferation.</p>
序列相似性	<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>
翻译后修饰	<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>
细胞定位	<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>

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FGR antibody (ab58228)

FGR antibody (ab58228) used in immunohistochemistry at 3ug/ml on formalin fixed and paraffin embedded human lymph node.



Western blot - Anti-FGR antibody (ab58228)

FGR antibody (ab58228) at 1ug/lane + HeLa cell lysate at 25ug/lane.

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