

Anti-Stromal interaction molecule 1 antibody ab62031

★★★★★ [2 Abreviews](#) [5 References](#) [3 图像](#)

概述

产品名称	Anti-Stromal interaction molecule 1抗体
描述	兔多克隆抗体to Stromal interaction molecule 1
宿主	Rabbit
特异性	ab62031 detects the larger isoform of Stromal interaction molecule 1 only. It is predicted to have no cross-reactivity with Stromal interaction molecule 2.
经测试应用	适用于: ICC/IF, WB, IHC-P
种属反应性	与反应: Mouse
免疫原	Raised against a 24 amino acid synthetic peptide from near the carboxy terminus of Human Stromal interaction molecule 1 (GenBank accession no. NP_003147).
阳性对照	Mouse thymus tissue lysate
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p>
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab62031于以下的经测试应用

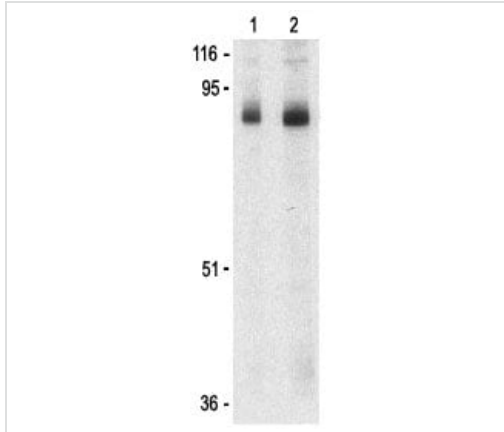
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★ ★ ★ ★ ★ (1)	Use at an assay dependent concentration.
WB	★ ★ ★ ★ ★ (1)	Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 90 kDa (predicted molecular weight: 77 kDa).
IHC-P		Use a concentration of 2.5 µg/ml.

靶标

功能	Plays a role in mediating Ca(2+) influx following depletion of intracellular Ca(2+) stores. Acts as Ca(2+) sensor in the endoplasmic reticulum via its EF-hand domain. Upon Ca(2+) depletion, translocates from the endoplasmic reticulum to the plasma membrane where it activates the Ca(2+) release-activated Ca(2+) (CRAC) channel subunit, TMEM142A/ORAI1.
组织特异性	Ubiquitously expressed in various human primary cells and tumor cell lines.
疾病相关	Defects in STIM1 are the cause of immune dysfunction with T-cell inactivation due to calcium entry defect type 2 (IDTICED2) [MIM:612783]. IDTICED2 is an immune disorder characterized by recurrent infections, impaired T-cell activation and proliferative response, decreased T-cell production of cytokines, lymphadenopathy, and normal lymphocytes counts and serum immunoglobulin levels. Additional features include thrombocytopenia, autoimmune hemolytic anemia, non-progressive myopathy, partial iris hypoplasia, hepatosplenomegaly and defective enamel dentition.
序列相似性	Contains 1 EF-hand domain. Contains 1 SAM (sterile alpha motif) domain.
结构域	The microtubule tip localization signal (MtLS) motif; mediates interaction with MAPRE1 and targeting to the growing microtubule plus ends.
翻译后修饰	Glycosylation is required for cell surface expression. Phosphorylated predominantly on Ser residues.
细胞定位	Cell membrane. Endoplasmic reticulum membrane. Cytoplasm > cytoskeleton. Translocates from the endoplasmic reticulum to the cell membrane in response to a depletion of intracellular calcium. Associated with the microtubule network at the growing distal tip of microtubules.

图片



Western blot - Anti-Stromal interaction molecule 1 antibody (ab62031)

Lane 1 : Anti-Stromal interaction molecule 1 antibody (ab62031) at 1 µg/ml

Lane 2 : Anti-Stromal interaction molecule 1 antibody (ab62031) at 2 µg/ml

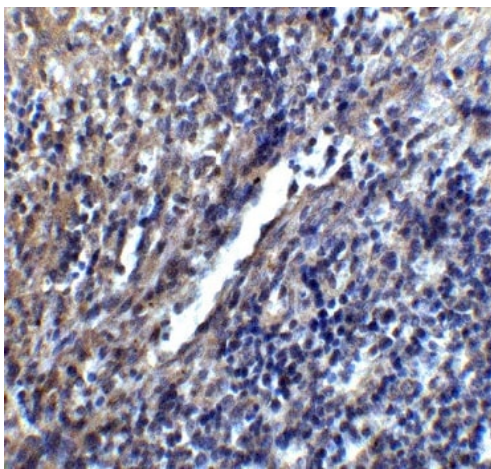
All lanes : Mouse thymus tissue lysate

Lysates/proteins at 15 µg per lane.

Predicted band size: 77 kDa

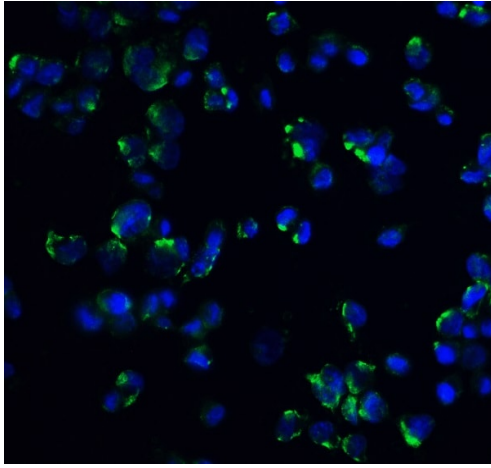
Observed band size: 90 kDa

Additional bands at: 116 kDa. We are unsure as to the identity of these extra bands.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Stromal interaction molecule 1 antibody (ab62031)

Immunohistochemistry (Formalin-fixed paraffin embedded sections) of mouse spleen tissue labeling Stromal interaction molecule 1 with Anti-Stromal interaction molecule 1 antibody (ab62031) at 5µg/ml.



Immunofluorescence of Stromal interaction molecule 1 in mouse spleen cells with ab62031 at 20 µg/mL.

Immunocytochemistry/ Immunofluorescence - Anti-Stromal interaction molecule 1 antibody (ab62031)

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