

## Product datasheet

# Anti-SAM68 antibody ab56836

★★★★☆ 1 Abreviews 4 图像

### 概述

产品名称	Anti-SAM68抗体
描述	小鼠单克隆抗体to SAM68
宿主	Mouse
经测试应用	适用于: WB, IHC-P, Flow Cyt, ICC/IF
种属反应性	与反应: Human
免疫原	Recombinant fragment: ILGPQGNTIK RLQEETGAKI SVLGKGSMDR KAKEEELRKG GDPKYAHLNM DLHVFIEVFG PPCEAYALMA HAMEEVKKFL VPDMMDDICQ EQFLELSYLN , corresponding to amino acids 176-275 of Human SAM68 <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
阳性对照	This antibody gave a positive result when used in the following methanol fixed cell lines: Malme-3M

### 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

Our [Abpromise guarantee](#) covers the use of **ab56836** in the following tested applications.

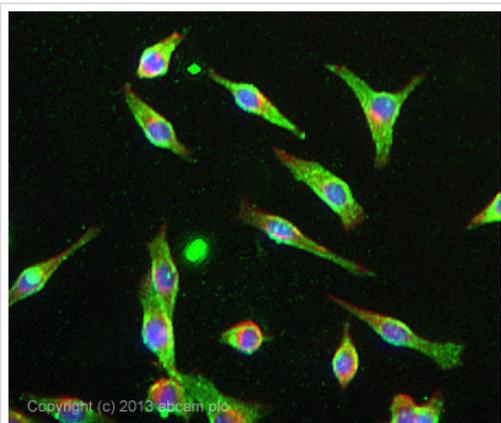
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 48 kDa.
IHC-P		Use a concentration of 3 µg/ml.
Flow Cyt		Use 0.1-1µg for 10 <sup>6</sup> cells. <a href="#">ab170191</a> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
ICC/IF	★★★★☆	Use a concentration of 1 µg/ml.

## 靶标

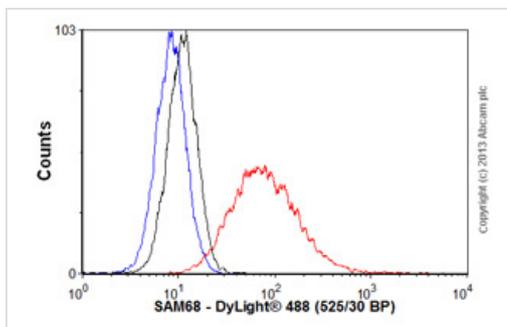
功能	<p>Recruited and tyrosine phosphorylated by several receptor systems, for example the T-cell, leptin and insulin receptors. Once phosphorylated, functions as an adapter protein in signal transduction cascades by binding to SH2 and SH3 domain-containing proteins. Role in G2-M progression in the cell cycle. Represses CBP-dependent transcriptional activation apparently by competing with other nuclear factors for binding to CBP. Also acts as a putative regulator of mRNA stability and/or translation rates and mediates mRNA nuclear export.</p> <p>Isoform 3, which is expressed in growth-arrested cells only, inhibits S phase.</p>
组织特异性	Ubiquitously expressed in all tissue examined. Isoform 1 is expressed at lower levels in brain, skeletal muscle, and liver whereas isoform 3 is intensified in skeletal muscle and in liver.
序列相似性	<p>Belongs to the KHDRBS family.</p> <p>Contains 1 KH domain.</p>
发展阶段	Isoform 3 is only expressed in growth-arrested cells.
结构域	<p>The KH domain is required for binding to RNA.</p> <p>The Pro-rich domains are flanked by Arg/Gly-rich motifs which can be asymmetric dimethylated on arginine residues to give the DMA/Gly-rich regions. Selective methylation on these motifs can modulate protein-protein interactions.</p>
翻译后修饰	<p>Tyrosine phosphorylated by several non-receptor tyrosine kinases, for example LCK, FYN and JAK3. Negatively correlates with ability to bind RNA but required for many interactions with proteins.</p> <p>Acetylated. Positively correlates with ability to bind RNA.</p> <p>Arginine methylation is required for nuclear localization. Also can affect interaction with other proteins. Inhibits interaction with Src-like SH3 domains, but not interaction with WW domains of WBP4/FBP21 AND FNBP4/FBP30.</p> <p>Arg-291, Arg-331 and Arg-346 are found to be also dimethylated, probably to asymmetric dimethylarginine.</p>
细胞定位	Nucleus. Membrane.

## 图片



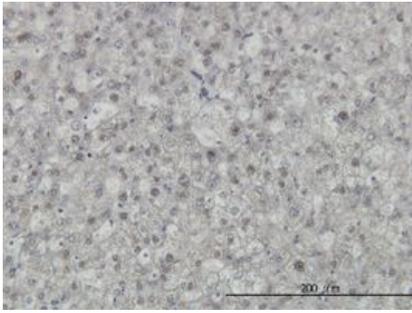
Immunocytochemistry/ Immunofluorescence - Anti-SAM68 antibody (ab56836)

ab56836 stained Malme-3M cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab56836 at 1µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- mouse (ab96879) IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



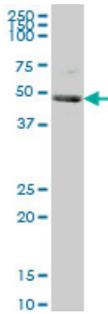
Flow Cytometry - Anti-SAM68 antibody (ab56836)

Overlay histogram showing HeLa cells stained with ab56836 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab56836, 0.1µg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] (ab91361, 1µg/1x10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in HeLa cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SAM68 antibody (ab56836)

SAM68 antibody (ab56836) used in immunohistochemistry at 3ug/ml on formalin fixed and paraffin embedded human liver.



Western blot - Anti-SAM68 antibody (ab56836)

SAM68 antibody (ab56836) at 1ug/lane + A-431 cell lysate at 25ug/lane.

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