abcam

Product datasheet

Anti-ITK/EMT antibody [Y402] ab32507

重组 RabMAb

3 References 4 图像

概述

产品名称 Anti-ITK/EMT抗体[Y402]

描述 兔单克隆抗体[Y402] to ITK/EMT

宿主 Rabbit

经测试应用 适用于: WB, IP

不适用于: Flow Cyt,ICC/IF or IHC

与反应: Human 种属反应性

免疫原 Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

阳性对照 Jurkat whole cell lysate (ab7899).

常规说明 This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility

- Improved sensitivity and specificity

- Long-term security of supply

- Animal-free production

For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb**® **patents**.

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with

these species. Please contact us for more information.

性能

形式 Liquid

存放说明 Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long

term. Avoid freeze / thaw cycle.

pH: 7.20 存储溶液

Preservative: 0.01% Sodium azide

Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.21% BSA

纯度 Protein A purified

克隆 单克隆

克隆编号 Y402 **同种型** IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab32507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		1/10000. Detects a band of approximately 72 kDa (predicted molecular weight: 72 kDa). For unpurified use at 1/1000.
IP		1/20. For unpurified use at 1/50.

应用说明 Is unsuitable for Flow Cyt,ICC/IF or IHC.

靶标

功能 Plays a role in T-cell proliferation and differentiation.

组织**特异性** T-cell lines and natural killer cell lines.

疾病相关 Defects in ITK are the cause of lymphoproliferative syndrome EBV-associated autosomal type 1

(LPSA1) [MIM:613011]. LPSA1 is a rare immunodeficiency characterized by extreme

susceptibility to infection with Epstein-Barr virus (EBV). Inadequate immune response to EBV can

have a fatal outcome. Clinical features include splenomegaly, lymphadenopathy, anemia,

thrombocytopenia, pancytopenia, recurrent infections. There is an increased risk for lymphoma.

序列相似性 Belongs to the protein kinase superfamily. Tyr protein kinase family. TEC subfamily.

Contains 1 Btk-type zinc finger.

Contains 1 PH domain.

Contains 1 protein kinase domain.

Contains 1 SH2 domain. Contains 1 SH3 domain.

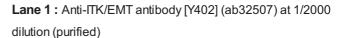
细胞定位 Cell membrane. Localizes to cell surface receptors in the plasma membrane after stimulation with

respective receptors (TCR, CD28, CD2) in T-cells.

图片



Western blot - Anti-ITK/EMT antibody [Y402] (ab32507)



Lane 2: Anti-ITK/EMT antibody [Y402] (ab32507) at 1/10000 dilution (purified)

All lanes : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysates

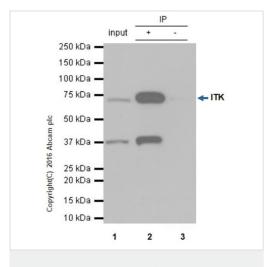
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit $\lg G$ (HRP) with minimal cross-reactivity with human $\lg G$ at 1/2000 dilution

Predicted band size: 72 kDa

Blocking and diluting buffer: 5% NFDM/TBST



Immunoprecipitation - Anti-ITK/EMT antibody [Y402] (ab32507)

ab32507 (purified) at 1:20 dilution (1.0 μ g) immunoprecipitating ITK/EMT in Jurkat whole cell lysate.

Lane 1 (input): Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate, $10\mu g$

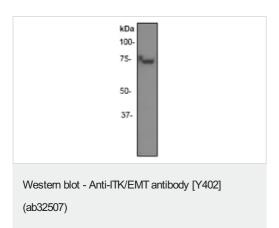
Lane 2 (+): ab32507 & Jurkat whole cell lysate

Lane 3 (-): Rabbit monoclonal lgG (ab172730) instead of

ab172638 in Jurkat whole cell lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP) (ab131366) was used for detection at 1:1000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST.



Anti-ITK/EMT antibody [Y402] (ab32507) at 1/1000 dilution (unpurified) + Jurkat cell lysate

Predicted band size: 72 kDa **Observed band size:** 72 kDa



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