

Anti-SHP2 (phospho Y582) antibody [EP509Y] ab62379

RabMAb

1 References 1 图像

概述	
产品名称	Anti-SHP2 (phospho Y582)抗体[EP509Y]
描述	兔单克隆抗体[EP509Y] to SHP2 (phospho Y582)
宿主	Rabbit
经测试应用	适用于: WB 不适用于: Flow Cyt,ICC,ICC/IF or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Jurkat cell lysate (treated with pervanadate).
常规说明	<p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Tissue culture supernatant

克隆	单克隆
克隆编号	EP509Y
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab62379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		1/25000 - 1/50000. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).

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

靶标

功能	Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus.
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组织特异性	Widely expressed, with highest levels in heart, brain, and skeletal muscle.
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疾病相关 Defects in PTPN11 are the cause of LEOPARD syndrome type 1 (LEOPARD1) [MIM:151100]. It is an autosomal dominant disorder allelic with Noonan syndrome. The acronym LEOPARD stands for lentigines, electrocardiographic conduction abnormalities, ocular hypertelorism, pulmonic stenosis, abnormalities of genitalia, retardation of growth, and deafness.

Defects in PTPN11 are the cause of Noonan syndrome type 1 (NS1) [MIM:163950]. Noonan syndrome (NS) is a disorder characterized by dysmorphic facial features, short stature, hypertelorism, cardiac anomalies, deafness, motor delay, and a bleeding diathesis. Some patients with Noonan syndrome type 1 develop multiple giant cell lesions of the jaw or other bony or soft tissues, which are classified as pigmented villomoduolar synovitis (PVNS) when occurring in the jaw or joints. Note=Mutations in PTPN11 account for more than 50% of the cases. Rarely, NS is associated with juvenile myelomonocytic leukemia (JMML). NS1 inheritance is autosomal dominant.

Defects in PTPN11 are a cause of juvenile myelomonocytic leukemia (JMML) [MIM:607785]. JMML is a pediatric myelodysplastic syndrome that constitutes approximately 30% of childhood cases of myelodysplastic syndrome (MDS) and 2% of leukemia. It is characterized by leukocytosis with tissue infiltration and in vitro hypersensitivity of myeloid progenitors to granulocyte-macrophage colony stimulating factor.

Defects in PTPN11 are a cause of metachondromatosis (MC) [MIM:156250]. It is a skeletal disorder with radiologic fetarures of both multiple exostoses and Ollier disease, characterized by the presence of multiple enchondromas and osteochondroma-like lesions.

序列相似性	<p>Belongs to the protein-tyrosine phosphatase family. Non-receptor class 2 subfamily.</p> <p>Contains 2 SH2 domains.</p> <p>Contains 1 tyrosine-protein phosphatase domain.</p>
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结构域 The SH2 domains repress phosphatase activity. Binding of these domains to phosphotyrosine-containing proteins relieves this auto-inhibition, possibly by inducing a conformational change in the enzyme.

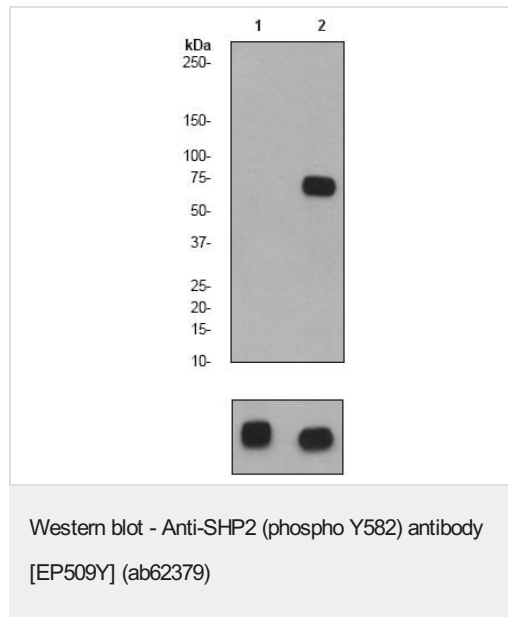
翻译后修饰 Phosphorylated on Tyr-546 and Tyr-584 upon receptor protein tyrosine kinase activation; which

creates a binding site for GRB2 and other SH2-containing proteins.

细胞定位

Cytoplasm.

图片



All lanes : Anti-SHP2 (phospho Y582) antibody [EP509Y] (ab62379) at 1/50000 dilution

Lane 1 : Jurkat cell lysate (untreated)

Lane 2 : Jurkat cell lysate (treated with pervanadate)

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Rabbit HRP conjugate at 1/2000 dilution

Predicted band size: 68 kDa

Observed band size: 68 kDa

The bottom image shows beta Tubulin. Beta Tubulin has been included as a loading control

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