


Anti-PAK1 + PAK2 + PAK3 (phospho S141) antibody ab5247

2 References **1 图像**

概述

产品名称	Anti-PAK1 + PAK2 + PAK3 (phospho S141)抗体
描述	兔多克隆抗体to PAK1 + PAK2 + PAK3 (phospho S141)
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Rat, Rabbit 
免疫原	Synthetic peptide corresponding to Human PAK1 + PAK2 + PAK3 (phospho S141).
阳性对照	SH-SY5Y, SH-SY5Y treated with 100 uM Pervanadate, HeLa, HeLa treated with 100 uM Pervanadate, K562, K562 treated with 100 uM Pervanadate
常规说明	<p>P21-activated kinase (PAK) is actually a family of serine/threonine protein kinases, members of which are activated by small molecular weight GTPases. The three most common isoforms are PAK 1, PAK 2, and PAK 3 (also known as alpha PAK, gamma PAK, and beta PAK, respectively). These kinases contain numerous regulatory elements that trigger diverse signaling processes such as those initiated by activated GTPases, interaction with Src homology 3 (SH3) domains, and caspase mediated proteolytic cleavage. Autophosphorylation of serine 141 (serine 144 for PAK 1 and serine 139 PAK 3), catalyzed by Cdc42, is required for activation of PAK.</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>

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	pH: 7.30

Preservative: 0.05% Sodium azide
Constituents: PBS, 0.1% BSA

BSA is IgG and protease free

纯度

Immunogen affinity purified

纯化说明

Purified from rabbit serum by sequential epitope-specific chromatography. The antibody has been negatively preadsorbed using a non-phosphopeptide corresponding to the site of phosphorylation to remove antibody that is reactive with non-phosphorylated PAK. The final product is generated by affinity chromatography using a PAK 2 derived peptide that is phosphorylated at serine 141.

Primary antibody说明

P21-activated kinase (PAK) is actually a family of serine/threonine protein kinases, members of which are activated by small molecular weight GTPases. The three most common isoforms are PAK 1, PAK 2, and PAK 3 (also known as alpha PAK, gamma PAK, and beta PAK, respectively). These kinases contain numerous regulatory elements that trigger diverse signaling processes such as those initiated by activated GTPases, interaction with Src homology 3 (SH3) domains, and caspase mediated proteolytic cleavage. Autophosphorylation of serine 141 (serine 144 for PAK 1 and serine 139 PAK 3), catalyzed by Cdc42, is required for activation of PAK.

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab5247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		1/1000. Predicted molecular weight: 65 kDa.

靶标

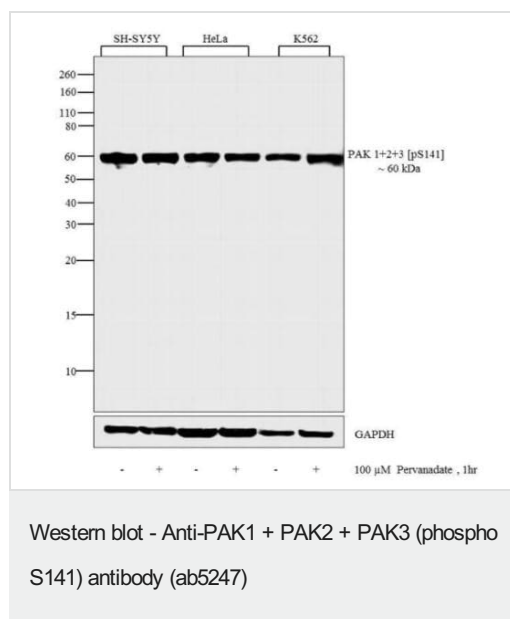
相关性

In mammals, there are several identified isoforms of p21 Activated Protein Kinases or PAKs: PAK1 and PAK3 are mostly brain specific, while PAK2 is expressed ubiquitously. Mutations of the gene coding for PAK3 are associated with X linked mental retardation and PAK3 is a key regulator of synapse formation and plasticity in the hippocampus. PAK3 is thought to play a key role in regulation of cell shape and motility as well as cell death.

细胞定位

Cytoplasm. Recruited to focal adhesions upon activation

图片



All lanes : Anti-PAK1 + PAK2 + PAK3 (phospho S141) antibody (ab5247) at 1/500 dilution

Lane 1 : SH-SY5Y whole cell extracts

Lane 2 : SH-SY5Y treated with 100 μ M Pervanadate for 1 h

Lane 3 : HeLa whole cell extract

Lane 4 : HeLa treated with 100 μ M Pervanadate for 1 h

Lane 5 : K562 whole cell extract

Lane 6 : K562 treated with 100 μ M Pervanadate for 1 h

Lysates/proteins at 30 μ g per lane.

Secondary

All lanes : Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP conjugate at 1/5000 dilution

Predicted band size: 65 kDa

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