

Product datasheet

Anti-LIM Kinase 1 antibody ab55414

1 References 2 图像

概述

| | |
|-------|--|
| 产品名称 | Anti-LIM Kinase 1抗体 |
| 描述 | 小鼠单克隆抗体to LIM Kinase 1 |
| 宿主 | Mouse |
| 经测试应用 | 适用于: WB, IHC-P |
| 种属反应性 | 与反应: Human |
| 免疫原 | Recombinant fragment: ADPDYLPRTM DFGLNVRGFL DRYCPPNCP SFFPITVRCC DLDPEKRPSF VKLEHWLETL RMHLAGHLPL GPQLEQLDRG FWETYRRGES GLPAHPEVPD , corresponding to amino acids 548-648 of Human LIM Kinase 1 Run BLAST with ExPASy Run BLAST with NCBI |

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 **ab55414** in the following tested applications.

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

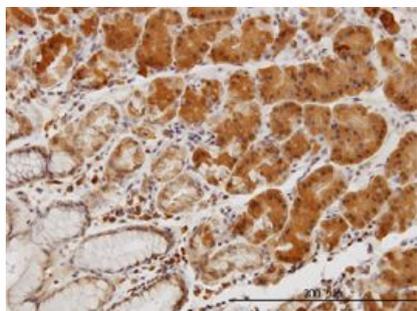
| 应用 | Ab评论 | 说明 |
|----|------|---|
| WB | | Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 73 kDa. |

| 应用 | Ab评论 | 说明 |
|-------|------|---------------------------------|
| IHC-P | | Use a concentration of 3 µg/ml. |

靶标

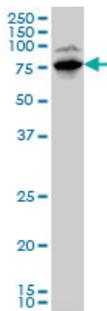
| | |
|--------------|---|
| 功能 | Protein kinase which regulates actin filament dynamics. Phosphorylates and inactivates the actin binding/depolymerizing factor cofilin, thereby stabilizing the actin cytoskeleton. Stimulates axonal outgrowth and may be involved in brain development. Isoform 3 has a dominant negative effect on actin cytoskeletal changes. |
| 组织特异性 | Highest expression in both adult and fetal nervous system. Detected ubiquitously throughout the different regions of adult brain, with highest levels in the cerebral cortex. Expressed to a lesser extent in heart and skeletal muscle. |
| 疾病相关 | Note=LIMK1 is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal crossing over between highly homologous low-copy repeat sequences flanking the deleted region. |
| 序列相似性 | Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Contains 2 LIM zinc-binding domains. Contains 1 PDZ (DHR) domain. Contains 1 protein kinase domain. |
| 翻译后修饰 | Autophosphorylated. Phosphorylated on serine and/or threonine residues by ROCK1. May be dephosphorylated and inactivated by SSH1. Ubiquitinated. 'Lys-48'-linked polyubiquitination by RNF6 leads to proteasomal degradation through the 26S proteasome, modulating LIMK1 levels in the growth cone and its effect on axonal outgrowth. Also polyubiquitinated by RLIM. |
| 细胞定位 | Cytoplasm. Cell projection > growth cone. |

图片



IHC-P - LIM Kinase 1 antibody (ab55414)

LIM Kinase 1 antibody (ab55414) used in immunohistochemistry at 3ug/ml on formalin fixed and paraffin embedded human stomach.



LIM Kinase 1 antibody (ab55414) at 1ug/lane
+ HepG2 cell lysate at 25ug/lane.

Western blot - LIM Kinase 1 antibody (ab55414)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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