abcam

Product datasheet

Anti-DYNLL1/PIN antibody ab189854

1 图像

概述

产品名称	Anti-DYNLL1/PIN抗体
描述	兔多克隆抗体to DYNLL1/PIN
宿主	Rabbit
经测试应用	**适用于:** WB
种属反应性	**与反应:** Mouse, Human **预测可用于:** Rabbit, Cow, Drosophila melanogaster, Cynomolgus monkey
免疫原	Recombinant full length protein corresponding to Human DYNLL1/PIN aa 1 to the C-terminus. Database link: **P63167** Run BLAST with Run BLAST with
常规说明	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. 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

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.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 49% PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab189854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		1/500 - 1/2000. Predicted molecular weight: 10 kDa.

靶标

功能 Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. May play a role in changing or maintaining the spatial distribution of cytoskeletal structures.
Binds and inhibits the catalytic activity of neuronal nitric oxide synthase.
Promotes transactivation functions of ESR1 and plays a role in the nuclear localization of ESR1.
Regulates apoptotic activities of BCL2L11 by sequestering it to microtubules. Upon apoptotic stimuli the BCL2L11-DYNLL1 complex dissociates from cytoplasmic dynein and translocates to mitochondria and sequesters BCL2 thus neutralizing its antiapoptotic activity.

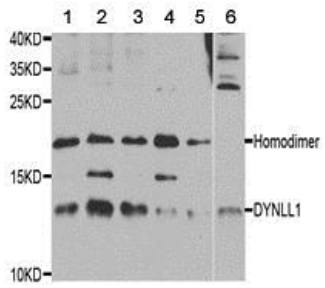
组织特异性 Ubiquitous.

序列相似性 Belongs to the dynein light chain family.

翻译后修饰 Phosphorylation at Ser-88 appears to control the dimer-monomer transition. According to PubMed:15193260, it is phosphorylated at Ser-88 by PAK1, however, according to PubMed:18650427, the DYNLL1 dimer is not accessible for PAK1 and the phosphorylation could not be demonstrated in vitro.

细胞定位 Cytoplasm, cytoskeleton. Nucleus. Mitochondrion. Upon induction of apoptosis translocates together with BCL2L11 to mitochondria.

图片



Western blot - Anti-DYNLL1/PIN antibody (ab189854)

All lanes : Anti-DYNLL1/PIN antibody (ab189854) at 1/500 dilution

Lane 1 : MCF7 cell extract
Lane 2 : 293T cell extract
Lane 3 : HepG2 cell extract
Lane 4 : U-251MG cell extract
Lane 5 : HeLa cell extract
Lane 6 : Mouse brain extract

Predicted band size: 10 kDa

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- Extensive multi-media technical resources to help you
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