

HRP Anti-beta Actin antibody [mAbcam 8224] - Loading Control ab197277

★★★★★ [1 Abreviews](#) [11 References](#) [1 图像](#)

概述

产品名称	HRP Anti-beta Actin抗体[mAbcam 8224] - Loading Control
描述	HRP小鼠单克隆抗体[mAbcam 8224] to beta Actin - Loading Control
宿主	Mouse
偶联物	HRP
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Cow, Drosophila melanogaster, Schizosaccharomyces pombe, Chinese hamster
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as ab13772)
阳性对照	WB: HEK293, NIH3T3 and PC12 whole cell lysates. Human skeletal muscle tissue lysate.
常规说明	<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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
存储溶液	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
纯度	Affinity purified
克隆	单克隆

克隆编号	mAbcam 8224
骨髓瘤	Sp2/0-Ag14
同种型	IgG3
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab197277于以下的经测试应用

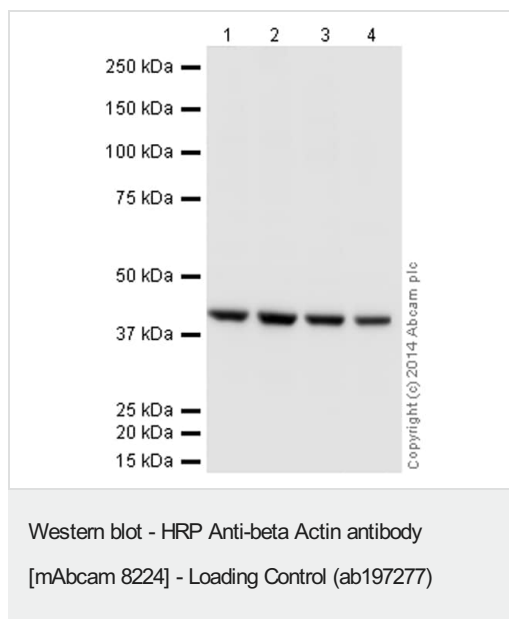
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	<p>Use a concentration of 1 µg/ml. Detects a band of approximately 42 kDa (predicted molecular weight: 42 kDa).Can be blocked with Human beta Actin peptide (ab13772).</p> <p>This antibody has been designed for use as a loading control and is ideal for this purpose. Block membrane for 1 hr in 5% BSA. Incubate antibody in TBST for one hour or more.</p>

靶标

功能	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.
疾病相关	Defects in ACTB are a cause of dystonia juvenile-onset (DYTJ) [MIM:607371]. DYTJ is a form of dystonia with juvenile onset. Dystonia is defined by the presence of sustained involuntary muscle contraction, often leading to abnormal postures. DYTJ patients manifest progressive, generalized, dopa-unresponsive dystonia, developmental malformations and sensory hearing loss.
序列相似性	Belongs to the actin family.
翻译后修饰	ISGylated.
细胞定位	Cytoplasm > cytoskeleton. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

图片



All lanes : HRP Anti-beta Actin antibody [mAbcam 8224] - Loading Control (ab197277) at 1/5000 dilution

Lane 1 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lane 2 : NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate

Lane 3 : PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate

Lane 4 : Skeletal Muscle (Human) Tissue Lysate - adult normal tissue

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 42 kDa

Observed band size: 42 kDa

Exposure time: 10 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab197277 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).

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