




### HRP Anti-beta Actin antibody [AC-15] ab49900

★★★★★ [10 Abreviews](#) [395 References](#) [3 图像](#)

#### 概述

产品名称	HRP Anti-beta Actin抗体[AC-15]
描述	HRP小鼠单克隆抗体[AC-15] to beta Actin
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, Hamster, Cow, Dog, Human, African green monkey 预测可用于: a wide range of other species  不与反应: Drosophila melanogaster, Dictyostelium discoideum
免疫原	Synthetic peptide corresponding to beta Actin (N terminal) conjugated to keyhole limpet haemocyanin. Sequence: DDDIAALVIDNGSGK <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
阳性对照	NIH 3T3 whole cell lysate ( <a href="#">ab7179</a> ) can be used as a positive control in WB. Chicken gizzard tissue cryosections. Human foreskin fibroblasts. Chicken fibroblasts. Rat dorsal root ganglion and Rat liver lysates
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&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	pH: 7.40 Preservative: 0.01% Thimerosal (merthiolate) Constituent: 0.0268% PBS

纯度	Protein A purified
克隆	单克隆
克隆编号	AC-15
同种型	IgG1

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab49900于以下的经测试应用

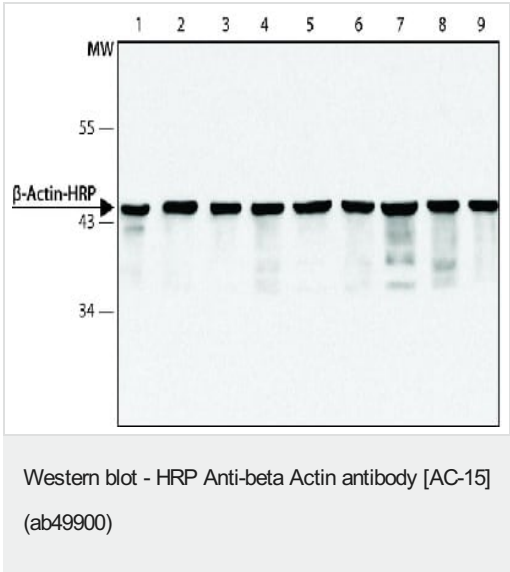
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (10)	1/25000 - 1/50000. Predicted molecular weight: 42 kDa.

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

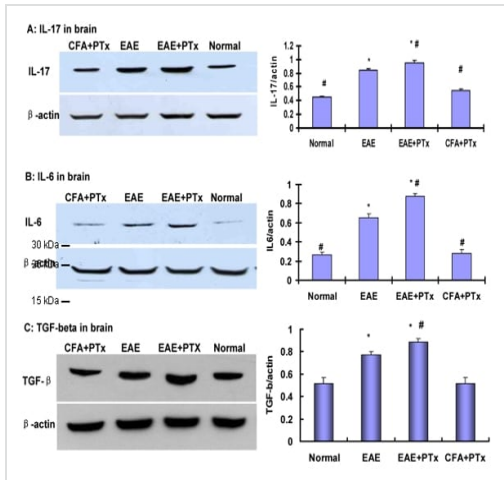


**All lanes :** HRP Anti-beta Actin antibody [AC-15] (ab49900) at 1/50000 dilution

- Lane 1 :** A549 Lysate
- Lane 2 :** HeLa Lysate
- Lane 3 :** 3T3 Lysate
- Lane 4 :** NRK Lysate
- Lane 5 :** MDCK Lysate
- Lane 6 :** MDBK Lysate
- Lane 7 :** BHK Lysate
- Lane 8 :** COS7 Lysate
- Lane 9 :** CFB Lysate

Developed using the ECL technique.

**Predicted band size: 42 kDa**

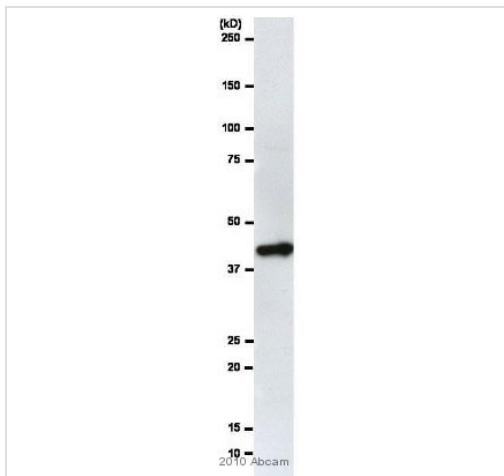


Western blot - HRP Anti-beta Actin antibody [AC-15] (ab49900)

Image from PLoS One. 2010 Aug 25;5(8):e12400. Fig 8, doi: 10.1371/journal.pone.0012400. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

Proteins were loaded onto a 10% SDS-polyacrylamide gel. After gel electrophoresis, blots were subsequently probed with primary antibodies anti- IL-6 at 1:1000 ([ab6672](#)), anti- IL-17 at 1:3000, anti- TGF-β at 1:1000 ([ab66043](#)). For detection, horseradish peroxidase-conjugated secondary anti-rabbit antibody was used followed by enhanced chemiluminescence development.

Normalization of results was ensured by running parallel western blots with β-actin antibody at 1:25,000 (ab49900). The optical density was quantified using an image densitometer. The data are presented as a percentage of target protein relative to β-actin. A value of p<0.05 is considered significant.



Western blot - HRP Anti-beta Actin antibody [AC-15] (ab49900)

This image is courtesy of an anonymous Abreview

HRP Anti-beta Actin antibody [AC-15] (ab49900) at 1/25000 dilution + Whole cell lysate of Human acute monocytic leukemia THP-1. at 10 μg

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size: 42 kDa**

**Blocking Step:** 5% Milk for 1 hour at 22°C.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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