

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

★★★★★ 10 Abreviews 395 References 両俵数 3

医薬用外劇物

#### 製品の概要

製品名	HRP Anti-beta Actin antibody [AC-15]
製品の詳細	HRP Mouse monoclonal [AC-15] to beta Actin
由来種	Mouse
標識	HRP
アプリケーション	適用あり: WB
種交差性	<p>交差種: Mouse, Rat, Hamster, Cow, Dog, Human, African green monkey</p> <p>交差が予測される動物種: a wide range of other species  非交差種: Drosophila melanogaster, Dictyostelium discoideum</p>
免疫原	<p>Synthetic peptide corresponding to beta Actin (N terminal) conjugated to keyhole limpet haemocyanin.</p> <p>Sequence:</p> <p>DDDIAALVIDNGSGK</p> <p> <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a></p>
ポジティブ・コントロール	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
特記事項	<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>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p>

	Constituent: 0.0268% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	AC-15
アイソタイプ	IgG1

## アプリケーション

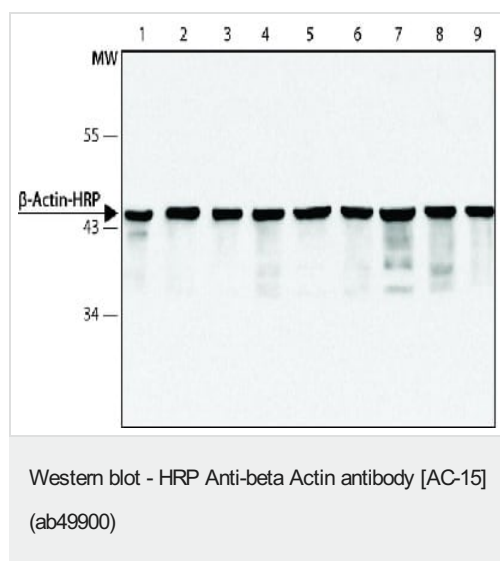
**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab49900の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (10)	1/25000 - 1/50000. Predicted molecular weight: 42 kDa.

## ターゲット情報

機能	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.
関連疾患	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.
配列類似性	Belongs to the actin family.
翻訳後修飾	ISGylated.
細胞内局在	Cytoplasm > cytoskeleton. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

## 画像

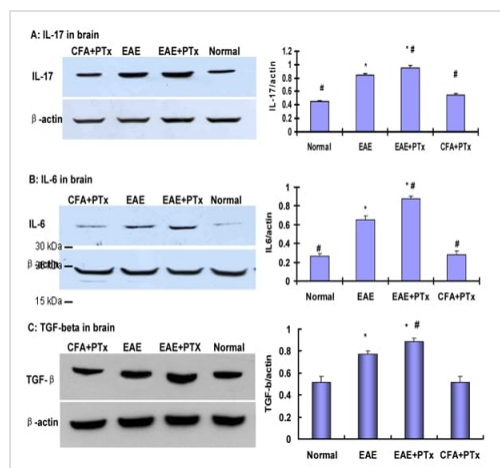


**All lanes :** HRP Anti-beta Actin antibody [AC-15] (ab49900) at 1/50000 dilution

- 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

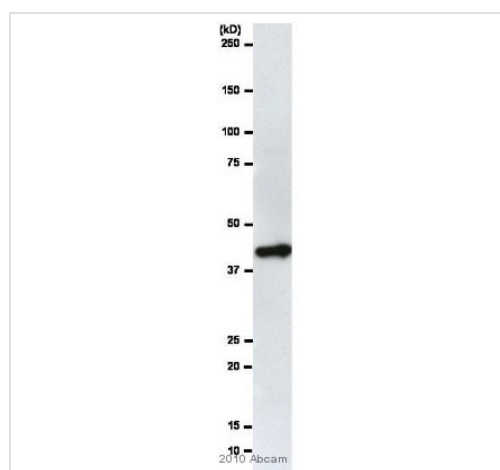


Western blot - HRP Anti-beta Actin antibody [AC-15] (ab49900)

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.

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