

# Product datasheet for TA890010

### beta Actin (ACTB) Rabbit Polyclonal Antibody

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 1:1000
Reactivity:	Human, Mouse, Monkey, Dog, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	ACTB Synthetic peptide conjugated to KLH derived from within residues 30-100 of Human ACTB
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from the immunized serum by affinity chromatography (Protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41.6 kDa
Gene Name:	actin, beta
Database Link:	<u>NP_001092</u> <u>Entrez Gene 11461 MouseEntrez Gene 81822 RatEntrez Gene 403580 DogEntrez Gene 574285</u> <u>MonkeyEntrez Gene 60 Human</u> <u>P60709</u>
Background:	This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins. [provided by RefSeq, Jul 2008]
Synonyms:	BRWS1; PS1TP5BP1
Protein Families:	ES Cell Differentiation/IPS



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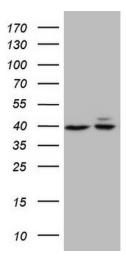
## OriGene Technologies, Inc.

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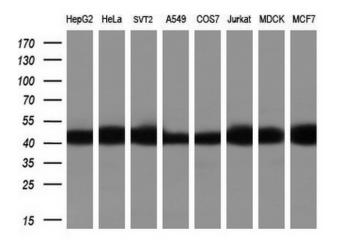
beta Actin (ACTB) Rabbit Polyclonal Antibody - TA890010

Protein Pathways:Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated<br/>cardiomyopathy, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Leukocyte<br/>transendothelial migration, Pathogenic Escherichia coli infection, Regulation of actin<br/>cytoskeleton, Tight junction, Vibrio cholerae infection, Viral myocarditis

#### **Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ACTB (Cat# [RC203643], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ACTB antibody (Cat# TA890010). Positive lysates [LY420311] (100ug) and [LC420311] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 8 different cell lines by using anti-ACTB Polyclonal antibody (1:1000).

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