

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:	NP_001092 Entrez Gene 11461 Mouse Entrez Gene 81822 Rat Entrez Gene 403580 Dog Entrez Gene 574285 Monkey Entrez Gene 60 Human P60709
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

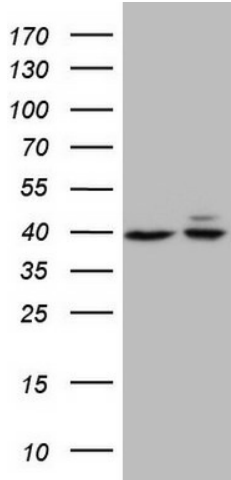


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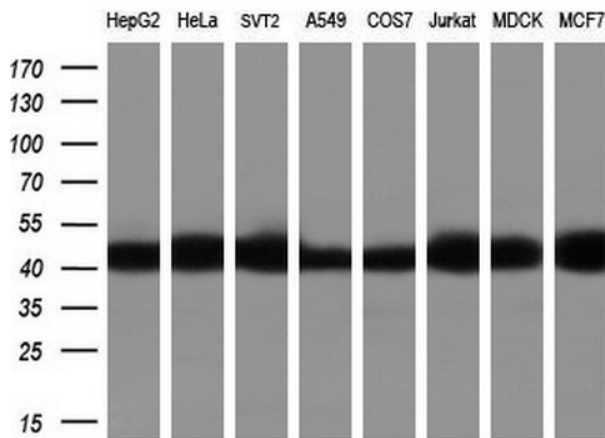
Protein Pathways:

Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Regulation of actin 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).