

Product datasheet for **TA308840**

beta Actin (ACTB) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Rat, Dog, Rabbit, Chicken, Sheep, Chimpanzee, Bovine, Guinea Pig, Rhesus Monkey, Mouse)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide contain a sequence corresponding to a region within amino acids 309 and 358 of beta Actin
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42 kDa
Gene Name:	actin, beta
Database Link:	NP_001092 Entrez Gene 11461 Mouse Entrez Gene 81822 Rat Entrez Gene 403580 Dog 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]
Synonyms:	BRWS1; PS1TP5BP1



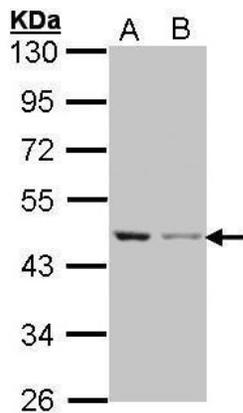
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Note: Seq homology of immunogen across species: Mouse (100%), Rat (100%), Dog (100%), Rabbit (100%), Chicken (100%), Sheep (100%), Rhesus Monkey (100%), Chimpanzee (100%), Bovine (100%), Guinea pig (100%)

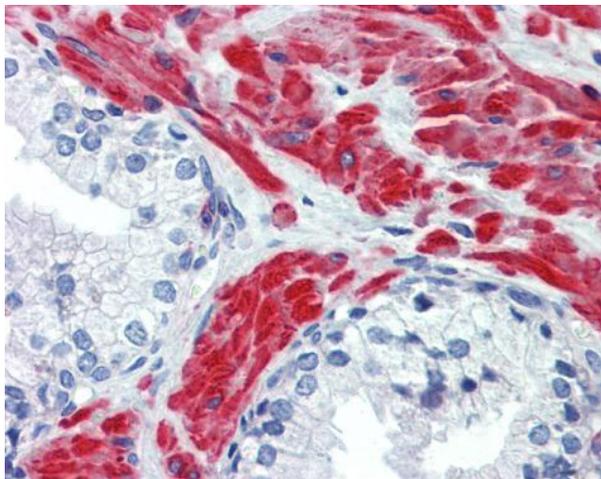
Protein Families: ES Cell Differentiation/IPS

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

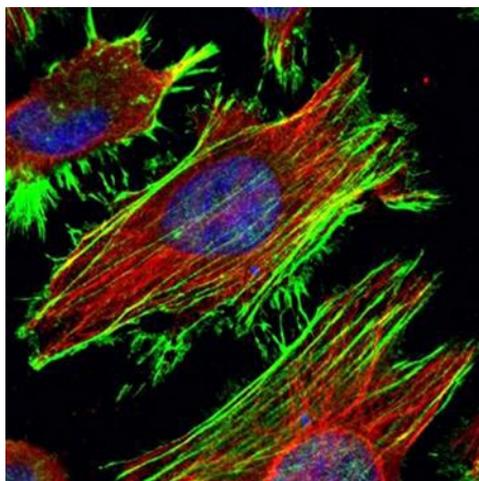
Product images:



Sample (30 ug of whole cell lysate). A: A431. B: H1299. 10% SDS PAGE. TA308840 diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded Prostate, using beta Actin (TA308840) antibody (10 ug/ml).



Confocal immunofluorescence analysis (Olympus FV10i) of methanol-fixed HeLa, using beta Actin (TA308840) antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with anti-alpha tubulin antibody (Red) at 1:2000.