



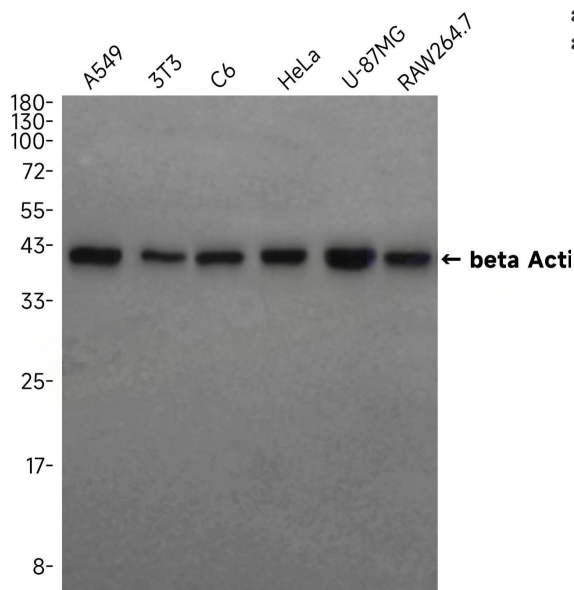
beta Actin Rabbit mAb

Catalog No	YP-nAb-1184
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC-P,ICC/IF
Alternative Name	ACTIN; ACTB; BETA-ACTIN; beta actin; actin beta
Antibody dilution ratio	WB-1:5000-1:10000; IHC-1:50-1:200; IF-1:100-1:200
SwissProt ID	P60709
Host Species	Rabbit
Conjugation	Unconjugated
Modification	Unmodified
Gene ID	60
Gene Name	ACTB
Clonality	Monoclonal Antibody
Molecular Weight	Calculated MW: 42 kDa; Observed MW: 42 kDa
Immunogen	A synthesized peptide derived from human beta Actin
Research Field	Isotype/Loading Controls
Background	beta-Actin is one of six different actin isoforms that have been identified. The actin molecules found in cells of various species and tissues tend to be very similar in their immunological and physical properties. Therefore, Antibodies against betaActin are useful as loading controls for Western Blotting. However it should be noted that levels of beta-Actin may not be stable in certain cells. For example, expression of beta-Actin in adipose tissue is very low and therefore it should not be used as loading control for these tissues.
Purification Method	Affinity Chromatography
Form	Liquid
Storage Buffer	1xPBS(pH 7.4), 150mM NaCl, 50% Glycerol, 0.02% Sodium azide and 0.05% BSA
Storage Conditions	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

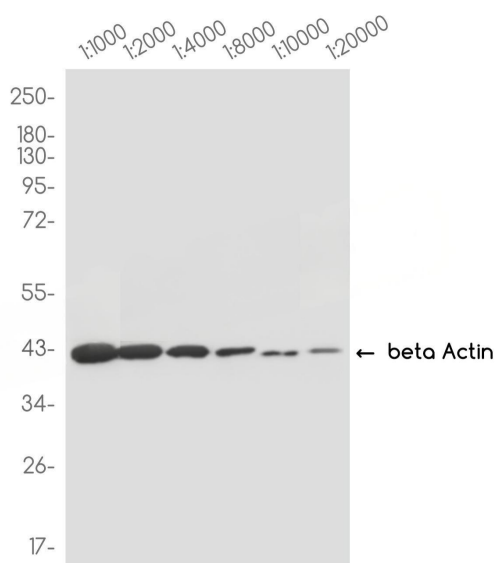




Products Images



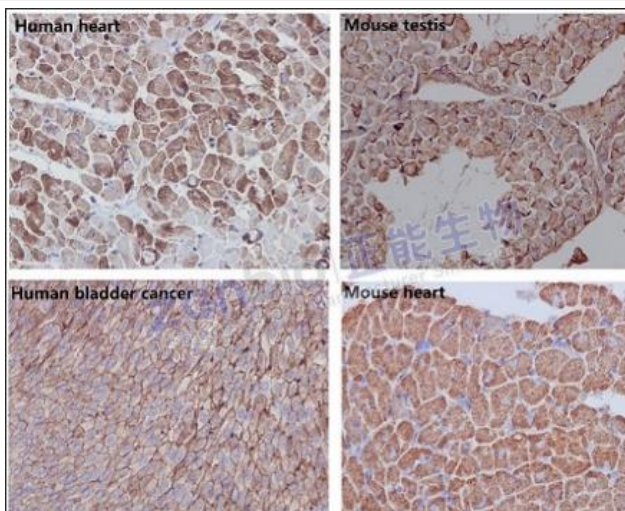
Western blot analysis of beta Actin in various lysates using beta Actin antibody(1:2000 diluted). Lysates/proteins:10 μ l per lane. Secondary antibody: Goat Anti-Rabbit IgG H&L(HRP) (511203).



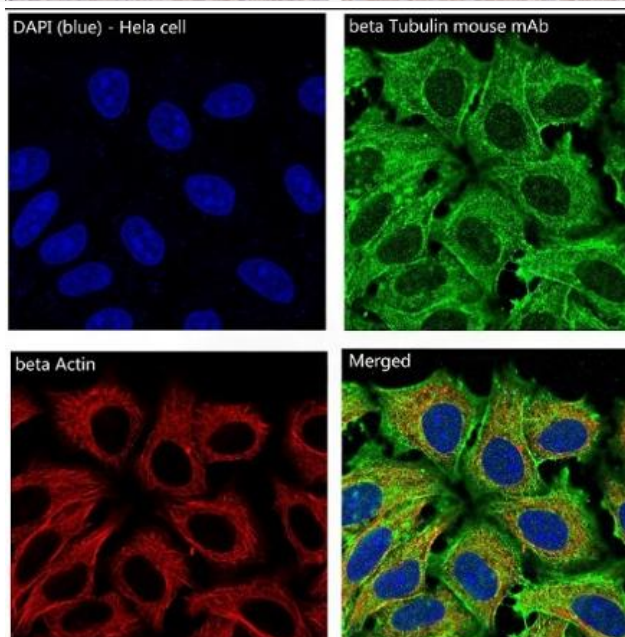
Western blot analysis of beta Actin in Jurkat lysates using beta Actin antibody(1:1000,1:2000,1:4000,1:8000,1:10000,1:20000 diluted). Lysates/proteins:10 μ l per lane. Secondary

antibody: Goat Anti-Rabbit IgG H&L (HRP) (511203).

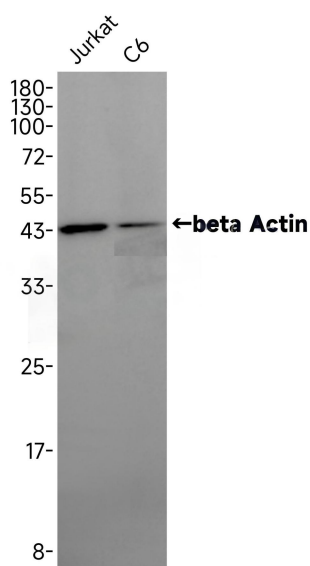




Immunohistochemistry analysis of paraffin-embedded (1) Human heart; (2) mouse testis; (3) Human bladder cancer; (4) mouse heart using beta Actin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

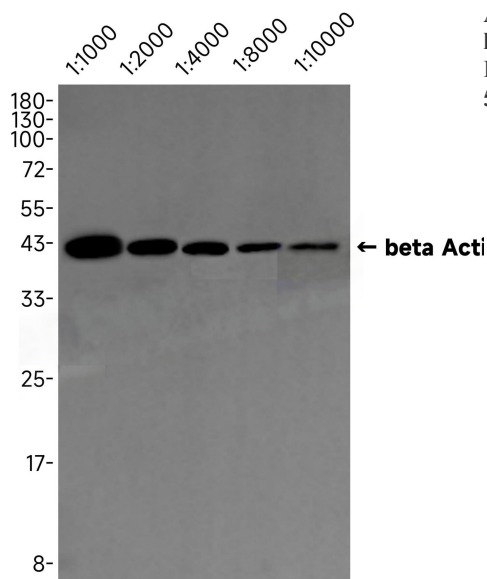


Immunofluorescence analysis of beta Actin in Hela using beta Actin antibody.

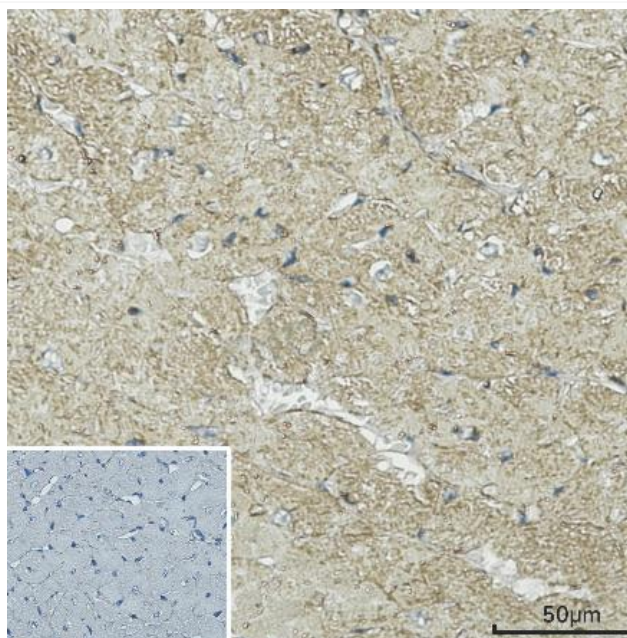


All lanes: beta Actin Rabbit mAb (R380624) at 1/8000 dilution. Lane 1: Jurkat cell lysate Lane2: C6 cell lysate Lysate/proteins at 20 ug/Lane Secondary All lanes: Goat Anti-Rabbit IgG H&L (HRP) (511203) at 1/20000 dilution Predicted band size: 42 kDa Observed band size: 42 kDa Exposure time: 5 seconds(s); ECL (17046) 12% SDS-PAGE gel





All lanes: beta Actin Rabbit mAb (R380624) at 1/1000-1/10000 dilution.
All lanes: Jurkat cell lysate Lysate/proteins at 20 ug/Lane Secondary All
lanes: Goat Anti-Rabbit IgG H&L(HRP) (511203) at 1/20000 dilution
Predicted band size: 42 kDa Observed band size: 42 kDa Exposure time:
5 seconds(s); ECL (17046) 12% SDS-PAGE gel



Immunohistochemistry of Paraffin-embedded Mouse heart tissue
sections using the antibody beta Actin Rabbit mAb (R380624) at a
dilution of 1/400 . Heat-induced epitope retrieval was performed using
Tris-EDTA buffer (pH 9.0) .

