



beta Actin (10F1) Mouse mAb

Catalog No	YP-nAb-1187
Isotype	IgG1
Reactivity	Human,Mouse,Rat,Chicken,Dog,Hamster,Monkey,Rabbit,Insect
Applications	WB,IHC-F,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	Mouse
Conjugation	Unconjugated
Modification	Unmodified
Gene ID	60
Gene Name	ACTB
Clonality	Monoclonal Antibody
Molecular Weight	Calculated MW: 42 kDa; Observed MW: 42 kDa
Immunogen	Synthetic Peptide of β -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 beta Actin 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 Purified
Form	Liquid
Storage Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

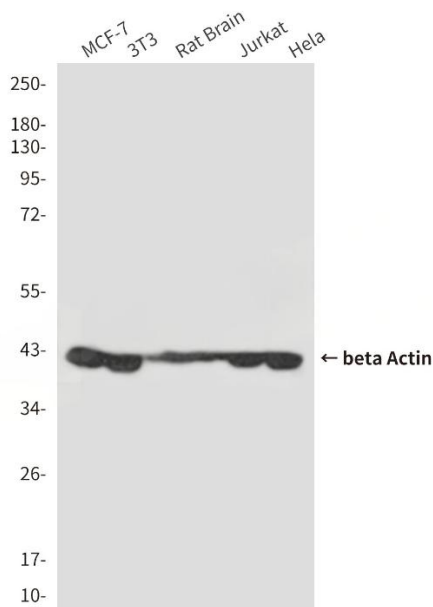




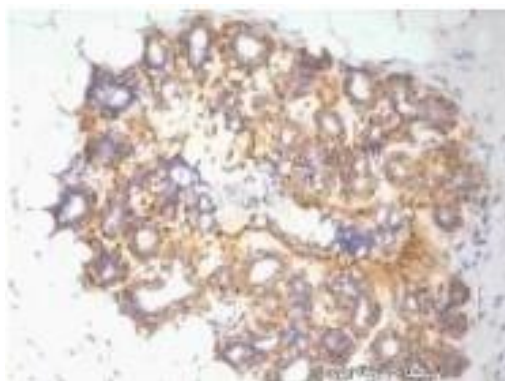
Storage Conditions

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Products Images

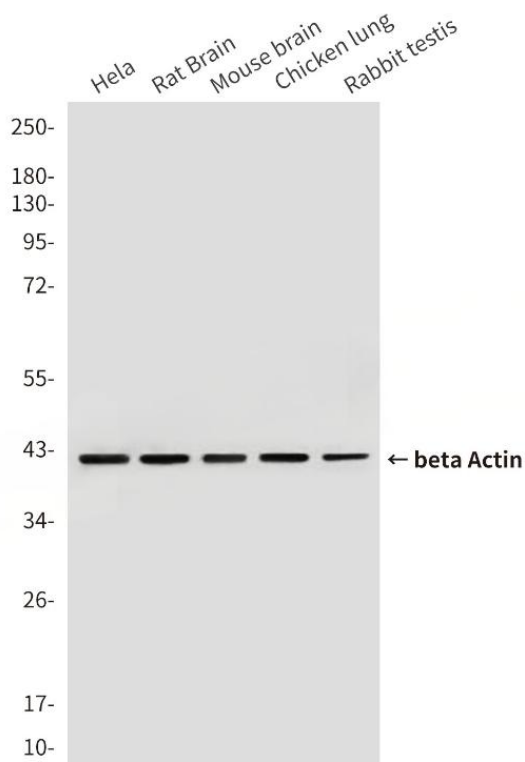


Western blot analysis of beta actin in MCF-7, 3T3, rat Brain, Jurkat and Hela lysates using beta actin antibody.

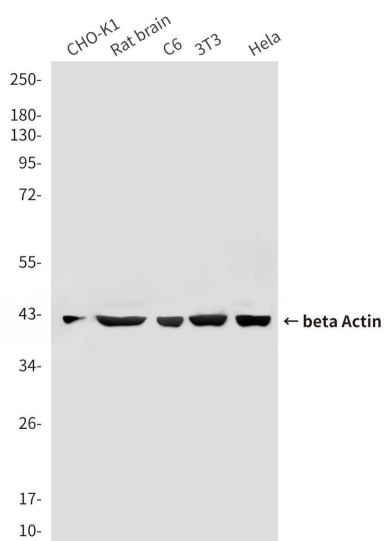


Immunohistochemistry analysis of paraffin-embedded Human ovary tissue using beta Actin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.





Western blot analysis of beta Actin in HeLa, rat brain, mouse brain, Chicken lung and Rabbit testis using beta Actin (10F1) antibody.



Western blot analysis of β Actin in CHO-K1, rat brain, C6, 3T3, HeLa lysates using β Actin (10F1) antibody.

