
Product Name: KO-Validated Beta-Actin Mouse Monoclonal Antibody**Catalog #: KVA01889**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2,000-1:10,000
Molecular Weight	Calculated MW: 41.7kDa

Antigen Information

Gene Name	ACTB ACTB; Actin Beta; Actin, Cytoplasmic 1; PS1TP5-Binding Protein 1; Beta Cytoskeletal Actin;
Alternative Names	I(2)-Actin; Beta-Actin; EC 3.6.4.-; PS1TP5BP1; B-Actin; BKRNS; BRWS1; CSMH; DDS1; THC8; BNS
Gene ID	60.0
SwissProt ID	P60709
Immunogen	A synthesized peptide derived from human beta Actin

Background

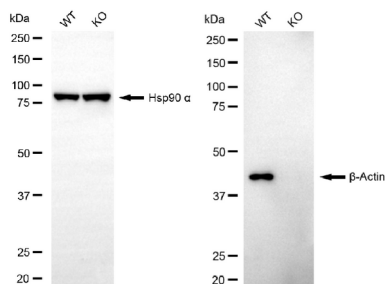
This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, integrity, and intercellular signaling. The encoded protein is a major constituent of the contractile apparatus and one

of the two nonmuscle cytoskeletal actins that are ubiquitously expressed. Mutations in this gene cause Baraitser-Winter syndrome 1, which is characterized by intellectual disability with a distinctive facial appearance in human patients. Numerous pseudogenes of this gene have been identified throughout the human genome. [provided by RefSeq, Aug 2017]

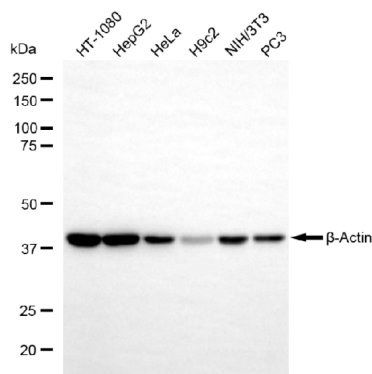
Research Area

Tags & Cell Markers, Signal Transduction

Image Data



Western blotting analysis using β-Actin antibody (KVA01889). β-Actin expression in wild type (WT) and β-Actin (ACTB) knockout (KO) 293T cells with 20 μg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with β-Actin antibody (KVA01889, 1:10,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using β-actin antibody (KVA01889). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with β-actin antibody (KVA01889, 1:10,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.