Product Name: **KD-Validated Beta Actin Mouse Monoclonal Antibody, HRP Conjugated**
Catalog #: **KVAb01888**
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
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
Alternative Names	ACTB; Actin Beta; Actin, Cytoplasmic 1; PS1TP5-Binding Protein 1; Beta Cytoskeletal Actin; 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 (HRP)

Background

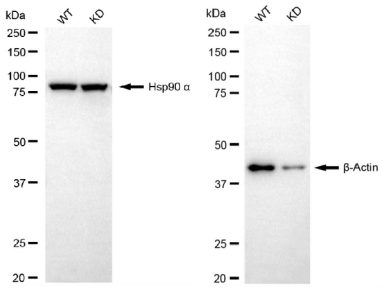
This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, integrity, and intercellular signaling. The encoded protein is a major constituent of the contractile apparatus and one

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]

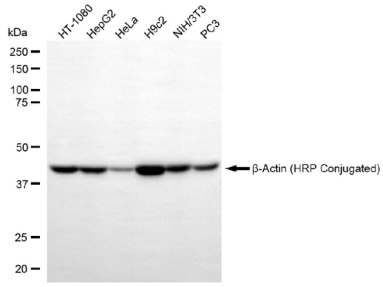
Research Area

Signal Transduction,Tags & Cell Markers

Image Data



Western blotting analysis using β-actin (HRP Conjugated) antibody (KVAb01888, 1:10,000). β-actin expression in wild-type (WT) and ACTB knockdown (KD) 293T cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control.



Western blotting analysis using β-Actin (HRP Conjugated) antibody (KVAb01888, 1:10,000). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE.