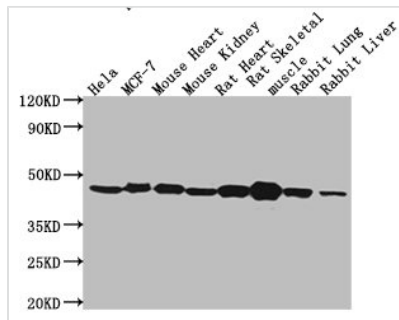




ACTB Monoclonal Antibody

Product Code	CSB-MA000091M2m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Immunogen	A synthesized peptide derived from human Beta-Actin (1-50AA)
Raised In	Mouse
Species Reactivity	Human, Mouse, Rat, Rabbit
Specificity	No significant cross-reactivity or interference was observed
Tested Applications	ELISA, WB; Recommended dilution: WB: 1:10000-1:1280000
Relevance	<p>Beta Actin, also named as ACTB and F-Actin, belongs to the actin family. Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. Beta Actin has been widely used as the internal control in bioscience. At least six isoforms are known in mammals. ALPHA-actin was predominant in single cells and BETA-actin was major in the cultured cells. Nonmuscle BETA- and GAMMA-actin, also known as cytoplasmic actin, are predominantly expressed in nonmuscle cells. ALPHA-cardiac and α-skeletal actin are expressed in striated cardiac and skeletal muscles, respectively; two smooth muscle actins, ALPHA- and GAMMA-actin, are found primarily in vascular smooth muscle and enteric smooth muscle, respectively. Most actins consist of 376aa, while ACTG2 (rich in muscles) has 375aa and ACTG1(found in non-muscle cells) has only 374aa. This antibody can detect endogenous level of β-Actin and may cross-react with other isoforms of actin family.</p>
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG1
Clonality	Monoclonal
Product Type	Monoclonal Antibody
Target Names	ACTB
Clone No.	6D8D8
Image	



Western Blot

Positive WB detected in: HeLa whole cell lysate, MCF-7 whole cell lysate, Mouse heart tissue, Mouse kidney tissue, Rat heart tissue, Rat skeletal muscle tissue, Rabbit lung tissue, Rabbit liver tissue

All lanes: ACTB antibody at 1:5000

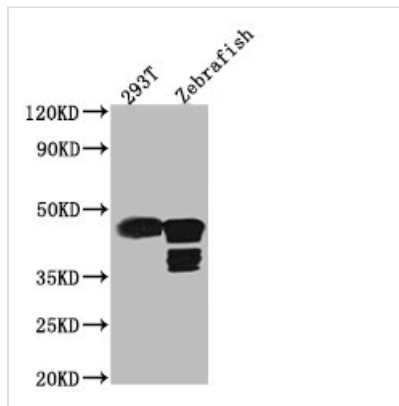
Secondary

Goat polyclonal to mouse IgG at 1/50000 dilution

Predicted band size: 42 KDa

Observed band size: 42 KDa

Exposure time?5min



Western Blot

Positive WB detected in: 293T whole cell lysate, Zebrafish tissue

All lanes: ACTB antibody at 1:5000

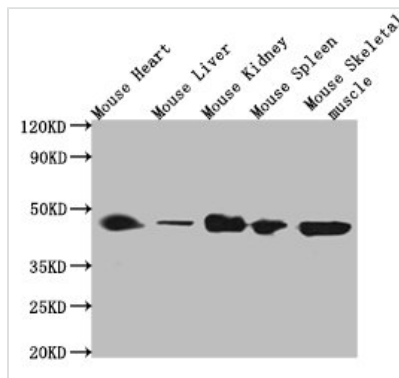
Secondary

Goat polyclonal to mouse IgG at 1/50000 dilution

Predicted band size: 42 KDa

Observed band size: 42 KDa

Exposure time?5min



Western Blot

Positive WB detected in: Mouse heart tissue, Mouse liver tissue, Mouse kidney tissue, Mouse spleen tissue, Mouse skeletal muscle tissue

All lanes: ACTB antibody at 1:5000

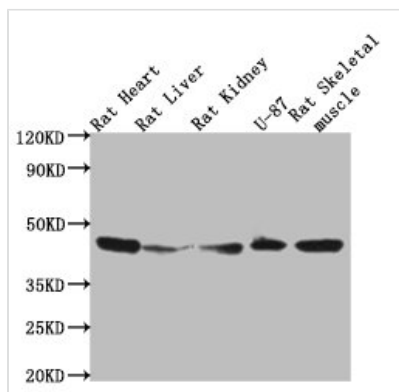
Secondary

Goat polyclonal to mouse IgG at 1/50000 dilution

Predicted band size: 42 KDa

Observed band size: 42 KDa

Exposure time?5min



Western Blot

Positive WB detected in: Rat heart tissue, Rat liver tissue, Rat kidney tissue, U87 whole cell lysate Rat skeletal muscle tissue

All lanes: ACTB antibody at 1:5000

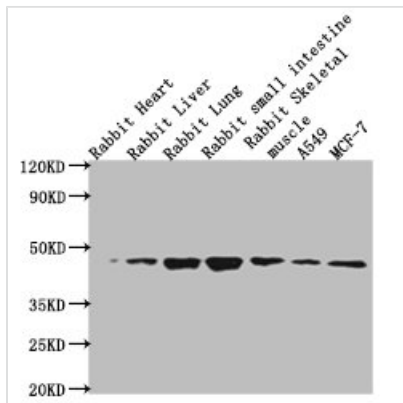
Secondary

Goat polyclonal to mouse IgG at 1/50000 dilution

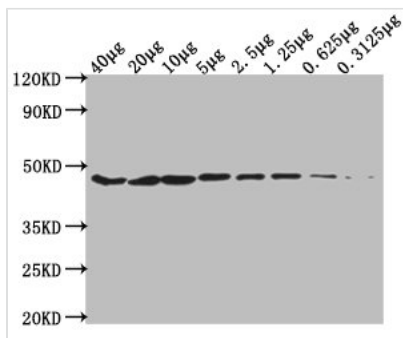
Predicted band size: 42 KDa

Observed band size: 42 KDa

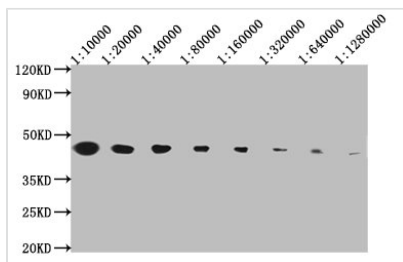
Exposure time?5min



Western Blot
 Positive WB detected in: Rabbit heart tissue, Rabbit liver tissue, Rabbit lung tissue, Rabbit small intestine tissue, Rabbit skeletal muscle tissue, A549 whole cell lysate, MCF-7 whole cell lysate
 All lanes: ACTB antibody at 1:5000
 Secondary
 Goat polyclonal to mouse IgG at 1/50000 dilution
 Predicted band size: 42 KDa
 Observed band size: 42 KDa
 Exposure time?5min



Western Blot
 Positive WB detected in: HeLa whole cell lysate at 40µg, 20µg, 10µg, 5µg, 2.5µg, 1.25µg, 0.625µg, 0.3125µg
 All lanes: ACTB antibody at 1:5000
 Secondary
 Goat polyclonal to mouse IgG at 1/50000 dilution
 Predicted band size: 42 KDa
 Observed band size: 42 KDa
 Exposure time?5min



Western Blot
 Positive WB detected in: 20µg HeLa whole cell lysate
 ACTB antibody at 1:10000, 1:20000, 1:40000, 1:80000, 1:160000, 1:320000, 1:640000, 1:1280000
 Secondary
 Goat polyclonal to mouse IgG at 1/50000 dilution
 Predicted band size: 42 KDa
 Observed band size: 42 KDa
 Exposure time?5min

Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.