

ACTB Polyclonal Antibody

Catalog No.	AC006	Category	Loading control Antibodies
Applications	WB, IHC, IF	Observed MW	42kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	41kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-375 of human ACTB (NP_001092.1).
Gene ID	60
Swiss prot	P60709
Synonyms	BRWS1;PS1TP5BP1

Product information

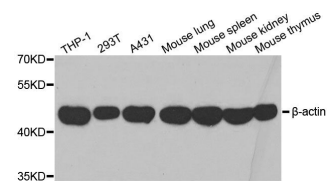
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins.

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200



Western blot analysis of extracts of various cell lines, using β -actin antibody (AC006) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.