

β-Actin Polyclonal Antibody

CATALOG NO:	3662-30T	30 µg (Trial size)
	3662-100	100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide corresponding to residues around amino acid 10 of human Actin (ID# BV-108)	

FORMULATION:

0.5 mg/ml protein A purified rabbit anti-β-Actin polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin.

SPECIES REACTIVITY: Human, Mouse, Rabbit

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

DESCRIPTION:

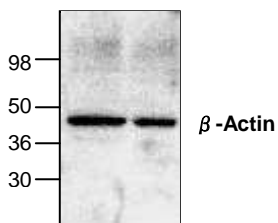
Actin is expressed in all eukaryotic cells and is the major component of the cytoskeleton. At least six types of actin are present in mammalian tissues and fall into three classes. Alpha actin expression is limited to various types of muscle and it regulates contractile potentials for the muscle cells, whereas beta and gamma actin, also known as cytoplasmic actin, are predominantly expressed in nonmuscle cells, controlling cell structure and motility.

SPECIFICITY:

The antibody recognizes 45 kDa beta-Actin in samples from human and mouse origins. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used for Western blotting (0.5-2 µg/ml). However, the optimal concentrations should be determined individually.



Cat.# 3662-100
Western blot analysis of β-Actin in Jurkat cell lysate (left lane) and mouse intestine tissue lysate (right lane).

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