

β -Actin Polyclonal Antibody

CATALOG #:	3597-100
AMOUNT:	100 μ g
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide corresponding to the N-terminus of human β -actin.

FORMULATION:

100 μ g (0.5 mg/ml) peptide affinity purified rabbit anti- β -Actin polyclonal antibody in phosphate-buffered saline (PBS) containing 0.02% sodium azide.

SPECIES REACTIVITY: human, mouse, rat, monkey, hamster

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw 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, mouse, rat, monkey, hamster origins.

APPLICATION:

The antibody can be used for Western blotting (0.5-2 μ g/ml), immunoprecipitation (10-20 μ g/ml) and immunohistochemistry (10-20 μ g/ml). However, the optimal concentrations should be determined individually.

NOTE: This product is for research use only! Not to be used in human.

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