

## Product datasheet for **TA355042**

### beta Actin (ACTB) Mouse Monoclonal Antibody [Clone ID: 10B7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	10B7
Applications:	WB
Recommended Dilution:	WB: 0.5-1 $\mu$ /ml.
Reactivity:	Human, Mouse, Rat, Rabbit, Chicken, Zebrafish, Drosophila
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	beta-Actin antibody was raised against a synthetic peptide containing 16 amino acids near the carboxy terminus of beta-actin.
Formulation:	beta-Actin antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	beta-Actin Antibody is affinity chromatography purified via peptide column.
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 42 kDa; Observed: 42 kDa
Gene Name:	actin, beta
Database Link:	<a href="#">AAH02409</a> <a href="#">Entrez Gene 60 Human</a> <a href="#">P60709</a>
Background:	Actins are highly conserved proteins that are involved in cell motility, structure and integrity, processes that are crucial for tissue development and the development of organism. The actin cytoskeleton is one of the principal drivers of cell motility and is capable of responding to complex signaling cascades. Recent evidence suggests that it may play key roles in regulating apoptosis and aging. Beta actin is one of six different actin isoforms which have been identified. Like GAPDH, beta-Actin is constitutively expressed at high levels in almost all tissues and cell lines making it ideal for use as a loading control marker in immunoblots.

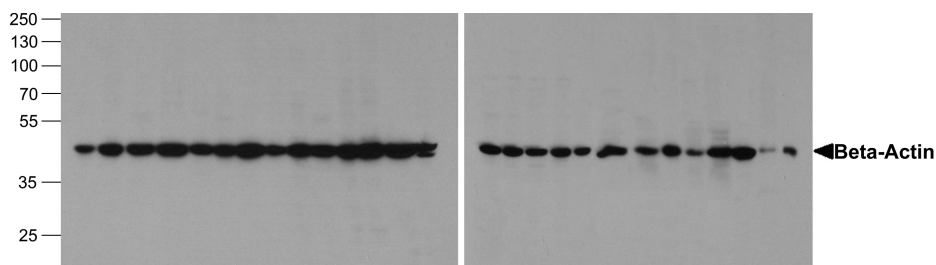


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**Synonyms:** Beta-actin; PS1TP5BP1

**Note:** beta-Actin antibody can be used for detection of Beta-Actin by Western blot at 0.5 - 1  $\mu$ /ml.

### Product images:



Western blot analysis of Beta-Actin in 293, A431, A549, Daudi, HeLa, HepG2, Jurkat, K562, MOLT, 3T3, Raji, Ramos, THP-1, U937, human brain, mouse brain, rat brain, rabbit brain, mouse lung, rat lung, rat liver, rabbit liver, rabbit spleen, chicken liver, chicken small intestine, zebrafish, and drosophila lysate with beta-Actin antibody at 1 $\mu$ g/mL.