

## alpha-Skeletal Muscle Actin Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP15725
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of $\alpha$ -Skeletal Muscle Actin
Mol wt	42051
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB
Concentration	N/A
Full name	Actin alpha skeletal muscle
Synonyms	Actin alpha skeletal muscle; ACTA1; ACTA; Actin, alpha skeletal muscle; Alpha-actin-1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

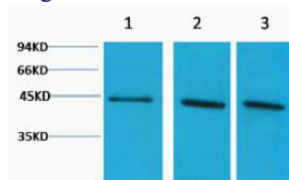
The product encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle. Mutations in this gene cause nemaline myopathy type 3, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects.

### Recommended Dilution

WB: 1: 1000 - 1: 2000

Not yet tested in other applications.

### Images



Western blot analysis of 1) HeLa, 2) 3T3, 3) Rat Kidney tissue, diluted at 1:2000. Secondary antibody was diluted at 1:20000

### Storage

-20°C for 1 year