

## ACTN1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP14119
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human, Rat, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Alpha-actinin-1
<b>Synonyms</b>	Alpha-actinin-1 ;Alpha-actinin cytoskeletal isoform;F-actin cross-linking protein;Non-muscle alpha-actinin-1

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

### Background

Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins| including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells| the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions| where it is involved in binding actin to the membrane. In contrast| skeletal| cardiac| and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies| where they help anchor the myofibrillar actin filaments. This gene encodes a nonmuscle| cytoskeletal| alpha actinin isoform and maps to the same site as the structurally similar erythroid beta spectrin gene. Three transcript variants encoding different isoforms have been found for this gene.

### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year