

## ACTG Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP14118
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from part region of human protein
Mol wt	N/A
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Actin  cytoplasmic 2
Synonyms	Actin; cytoplasmic 2 ;Gamma-actin [Cleaved into: Actin; cytoplasmic 2; N-terminally processed]

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

### Background

Actins are highly conserved proteins that are involved in various types of cell motility| and maintenance of the cytoskeleton. In vertebrates| three main groups of actin isoforms| alpha| beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton| and as mediators of internal cell motility. Actin| gamma 1| encoded by this gene| is a cytoplasmic actin found in non-muscle cells. Mutations in this gene are associated with DFNA20/26| a subtype of autosomal dominant non-syndromic sensorineural progressive hearing loss. Alternative splicing results in multiple transcript variants.

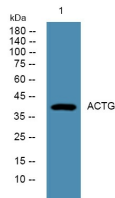
### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4°C overnight

### Storage

-20°C for 1 year