

ACTG1

Reactivity: Human

Tested applications: WB IF FC

Recommended Dilution: WB 1:200 - 1:1000 IF 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW: 42kDa

Observed MW: Refer to figures

Immunogen:

A synthetic peptide of human ACTG1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

ACT; ACTG; BRWS2; DFNA20; DFNA26; HEL-176;

Catalog #: A2631

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 71

Isotype: IgG

Swiss Prot: P63261

Purity: Affinity purification

For research use only.

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.

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