

**ACTG1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6532a**

**Specification**

**ACTG1 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [P63261](#)

**ACTG1 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID 71**

**Other Names**

Actin, cytoplasmic 2, Gamma-actin, Actin, cytoplasmic 2, N-terminally processed, ACTG1, ACTG

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6532a](#) was selected from the N-term region of human ACTG1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ACTG1 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** ACTG1

**Synonyms** ACTG

**Function**

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. May play a role in the repair of noise-induced stereocilia gaps thereby maintains hearing sensitivity following loud noise damage (By similarity).

**Cellular Location**

Cytoplasm, cytoskeleton

**ACTG1 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **ACTG1 Antibody (N-term) Blocking Peptide - Images**

#### **ACTG1 Antibody (N-term) Blocking Peptide - 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, is a cytoplasmic actin found in nonmuscle cells.

#### **ACTG1 Antibody (N-term) Blocking Peptide - References**

de Heer,A.M., Ann. Otol. Rhinol. Laryngol. 118 (5), 382-390 (2009)  
Mouilleron,S., EMBO J. 27 (23), 3198-3208 (2008)  
Liu,P., J Genet Genomics 35 (9), 553-558 (2008)