

**ACTC Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2875c****Specification**

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**ACTC Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [P62736](#)

**ACTC Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 59

**Other Names**

Actin, aortic smooth muscle, Alpha-actin-2, Cell growth-inhibiting gene 46 protein, ACTA2, ACTSA, ACTVS

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2875c](/products/AP2875c) was selected from the Center region of human ACTC. 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.

**ACTC Antibody (Center) Blocking Peptide - Protein Information**

**Name** ACTA2

**Synonyms** ACTSA, ACTVS

**Function**

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

**Cellular Location**

Cytoplasm, cytoskeleton.

**ACTC Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **ACTC Antibody (Center) Blocking Peptide - Images**

#### **ACTC Antibody (Center) Blocking Peptide - Background**

ACTC 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. Defects in this protein cause aortic aneurysm familial thoracic type 6.

#### **ACTC Antibody (Center) Blocking Peptide - References**

Guo,D.C., Papke,C.L. Am. J. Hum. Genet. 84 (5), 617-627 (2009)Guo,D.C., Pannu,H. Nat. Genet. 39 (12), 1488-1493 (2007)