10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ACTC Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP2875b

Specification

ACTC Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P62736

ACTC Antibody (C-term) 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 AP2875b was selected from the C-term 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 (C-term) 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 (C-term) Blocking Peptide - Protocols

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

- Blocking Peptides

ACTC Antibody (C-term) Blocking Peptide - Images

ACTC Antibody (C-term) 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 (C-term) 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)