

Actin (ACTB/ACTC) Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP1491a**Specification**

Actin (ACTB/ACTC) Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [P68032](#)**Actin (ACTB/ACTC) Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 70**Other Names**

Actin, alpha cardiac muscle 1, Alpha-cardiac actin, ACTC1, ACTC

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1491a](/product/products/AP1491a) was selected from the N-term region of human ACTB/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.

Actin (ACTB/ACTC) Antibody (N-term) Blocking peptide - Protein Information**Name** ACTC1**Synonyms** ACTC**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.

Actin (ACTB/ACTC) Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Actin (ACTB/ACTC) Antibody (N-term) Blocking peptide - Images

Actin (ACTB/ACTC) Antibody (N-term) Blocking peptide - Background

Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. ACTB/ACTC are nonmuscle cytoskeletal actins and major constituents of the contractile apparatus. Defects in ACTB are a cause of juvenile-onset dystonia. Defects in ACTC have been associated with idiopathic dilated cardiomyopathy (IDC) and familial hypertrophic cardiomyopathy (FHC).

Actin (ACTB/ACTC) Antibody (N-term) Blocking peptide - References

Villebeck,L., Biochemistry 46 (44), 12639-12647 (2007)Avizienyte,E., Exp. Cell Res. 313 (15), 3175-3188 (2007)Bouldin,A.A., Muscle Nerve 35 (2), 254-258 (2007)