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

Synthetic peptide
Catalog # BP1491a

Specification

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

Primary 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 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

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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)