

ACTA1/alpha-actin Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP17487b**Specification**

ACTA1/alpha-actin Antibody (C-term) Blocking peptide - Product Information

Primary Accession [P68133](#)

ACTA1/alpha-actin Antibody (C-term) Blocking peptide - Additional Information

Gene ID 58

Other Names

Actin, alpha skeletal muscle, Alpha-actin-1, ACTA1, ACTA

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.

ACTA1/alpha-actin Antibody (C-term) Blocking peptide - Protein Information

Name ACTA1

Synonyms ACTA

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.

ACTA1/alpha-actin Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ACTA1/alpha-actin Antibody (C-term) Blocking peptide - Images

ACTA1/alpha-actin Antibody (C-term) Blocking peptide - Background

The product encoded by this gene 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. Mutations in this gene cause nemaline myopathy type 3, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects.

ACTA1/alpha-actin Antibody (C-term) Blocking peptide - References

Kim, E.Y., et al. Am. J. Physiol. Renal Physiol. 299 (3), F594-F604 (2010) :Haigh, S.E., et al. Neuromuscul. Disord. 20(6):363-374(2010) Yu, G., et al. J Clin Neurosci 17(6):766-769(2010) Yu, C.H., et al. PLoS ONE 5 (7), E11878 (2010) :Licastro, F., et al. Curr. Pharm. Des. 16(7):783-788(2010)