

ACTN1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP8512a**Specification**

**ACTN1 Antibody (N-term) Blocking Peptide -
Product Information**Primary Accession [P12814](#)**ACTN1 Antibody (N-term) Blocking Peptide -
Additional Information****Gene ID 87****Other Names**Alpha-actinin-1, Alpha-actinin cytoskeletal
isoform, F-actin cross-linking protein,
Non-muscle alpha-actinin-1, ACTN1**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8512a](/products/AP8512a) was selected from the N-term region of human ACTN1. 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.

**ACTN1 Antibody (N-term) Blocking Peptide -
Protein Information****Name ACTN1****ACTN1 Antibody (N-term) Blocking
Peptide - Background**

ACTN1 is a F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein.

**ACTN1 Antibody (N-term) Blocking
Peptide - References**

Zhang,Z., et.al., J. Biol. Chem. 281 (3),
1746-1754 (2006)

Function

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein.

Cellular Location

Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z line. Cell membrane {ECO:0000250|UniProtKB:Q9Z1P2}. Cell junction {ECO:0000250|UniProtKB:Q9Z1P2}. Cell projection, ruffle {ECO:0000250|UniProtKB:Q7TPR4}. Note=Colocalizes with MYOZ2 and PPP3CA at the Z-line of heart and skeletal muscle. Colocalizes with PSD in membrane ruffles and central reticular structures {ECO:0000250|UniProtKB:Q7TPR4}

ACTN1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)