

ANP32E Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20559a**Specification**

ANP32E Blocking Peptide (N-term) - Product Information

Primary Accession [Q9BTT0](#)
Other Accession [Q5XIE0](#), [P97822](#)

ANP32E Blocking Peptide (N-term) - Additional Information

Gene ID 81611

Other Names

Acidic leucine-rich nuclear phosphoprotein 32 family member E, LANP-like protein, LANP-L, ANP32E

Target/Specificity

The synthetic peptide sequence is selected from aa 31-44 of HUMAN ANP32E

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.

ANP32E Blocking Peptide (N-term) - Protein Information

Name ANP32E

Function

Histone chaperone that specifically mediates the genome-wide removal of histone H2A.Z/H2AZ1 from the nucleosome: removes H2A.Z/H2AZ1 from its normal sites of deposition, especially from enhancer and insulator regions. Not involved in deposition of H2A.Z/H2AZ1 in the nucleosome. May stabilize the evicted H2A.Z/H2AZ1-H2B dimer, thus shifting the equilibrium towards dissociation and the off-chromatin state (PubMed:24463511). Inhibits activity of protein phosphatase 2A (PP2A). Does not inhibit protein phosphatase 1. May play a role in cerebellar development and synaptogenesis.

Cellular Location

Cytoplasm. Nucleus.

Tissue Location

Expressed in peripheral blood leukocytes, colon, small intestine, prostate, thymus, spleen, skeletal

muscle, liver and kidney.

ANP32E Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

ANP32E Blocking Peptide (N-term) - Images

ANP32E Blocking Peptide (N-term) - Background

Inhibits activity of protein phosphatase 2A (PP2A). Does not inhibit protein phosphatase 1. May play a role in cerebellar development and synaptogenesis process by modulating PP2A activity (By similarity).

ANP32E Blocking Peptide (N-term) - References

Jiang M.,et al.Cytogenet. Genome Res. 97:68-71(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.