

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

## Specification

# **ANP32E Blocking Peptide (N-term) - Product Information**

Primary Accession Other Accession <u>Q9BTT0</u> <u>Q5XIE0</u>, <u>P97822</u>

# **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:<a

href="http://www.uniprot.org/citations/24463511" target="\_blank">24463511</a>). 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.

### <u>Blocking Peptides</u>

### 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.