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ADNP Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18350b

Specification

ADNP Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9H2P0

ADNP Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 23394

Other Names
Activity-dependent neuroprotector homeobox protein, Activity-dependent neuroprotective protein, ADNP, ADNP1, KIAA0784

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.

ADNP Antibody (C-term) Blocking Peptide - Protein Information

Name ADNP

Synonyms ADNP1, KIAA0784

Function
May be involved in transcriptional regulation. May mediate some of the neuroprotective peptide VIP-associated effects involving normal growth and cancer proliferation. Positively modulates WNT-beta- catenin/CTNN1B signaling, acting by regulating phosphorylation of, and thereby stabilizing, CTNNB1. May be required for neural induction and neuronal differentiation. May be involved in erythroid differentiation (By similarity).

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}. Chromosome {ECO:0000250|UniProtKB:Q9Z103}

Tissue Location
Widely expressed. Strong expression in heart, skeletal muscle, kidney and placenta. In brain, expression is stronger in the cerebellum and cortex regions. No expression detected in the colon. Strong increase of expression in colon and breast cancer tissues

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ADNP Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ADNP Antibody (C-term) Blocking Peptide - Images

ADNP Antibody (C-term) Blocking Peptide - Background

Vasoactive intestinal peptide is a neuroprotective factorthat has a stimulatory effect on the growth of some tumor cells andan inhibitory effect on others. This gene encodes a protein that isupregulated by vasoactive intestinal peptide and may be involved inits stimulatory effect on certain tumor cells. The encoded proteincontains one homeobox and nine zinc finger domains, suggesting thatit functions as a transcription factor. This gene is alsoupregulated in normal proliferative tissues. Finally, the encodedprotein may increase the viability of certain cell types throughmodulation of p53 activity. Alternatively spliced transcriptvariants encoding the same protein have been described. [providedby RefSeq].

ADNP Antibody (C-term) Blocking Peptide - References

Braitch, M., et al. Neuroimmunomodulation 17(2):120-125(2010)Mandel, S., et al. J. Biol. Chem. 282(47):34448-34456(2007)Wu, C., et al. Proteomics 7(11):1775-1785(2007)Matsuoka, S., et al. Science 316(5828):1160-1166(2007)Kankova, K., et al. Diabetologia 50(5):990-999(2007)