

ADNP Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18350b**Specification**

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

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 factor that has a stimulatory effect on the growth of some tumor cells and an inhibitory effect on others. This gene encodes a protein that is upregulated by vasoactive intestinal peptide and may be involved in its stimulatory effect on certain tumor cells. The encoded protein contains one homeobox and nine zinc finger domains, suggesting that it functions as a transcription factor. This gene is also upregulated in normal proliferative tissues. Finally, the encoded protein may increase the viability of certain cell types through modulation of p53 activity. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq].

ADNP Antibody (C-term) Blocking Peptide - References

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Matsuoka, S., et al. Science 316(5828):1160-1166(2007)
Kankova, K., et al. Diabetologia 50(5):990-999(2007)