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# ADNP Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18350B

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | Q9H2P0 |
| **Other Accession** | Q9Z103, NP_852107.1 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB34160 |
| **Calculated MW** | 123563 |
| **Antigen Region** | 831-860 |

## Additional Information

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| **Gene ID** | 23394 |
| **Other Names** | Activity-dependent neuroprotector homeobox protein, Activity-dependent neuroprotective protein, ADNP, ADNP1, KIAA0784 |
| **Target/Specificity** | This ADNP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 831-860 amino acids from the C-terminal region of human ADNP. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | ADNP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | ADNP |
| **Synonyms** | ADNP1, KIAA0784 |
| **Function** | May be involved in transcriptional regulation. May mediate some of the |

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| | 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 |

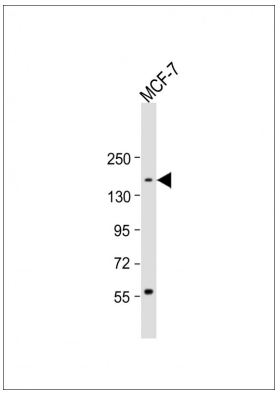
## Background

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].

## 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)


## Images




Anti-ADNP Antibody (C-term) at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 124 kDa Blocking/Dilution buffer: 5% NFDM/TBST.


Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.