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ADNP Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18350B

Product Information

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

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

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

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

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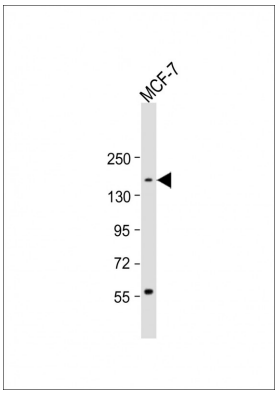
Mandel, S., et al. J. Biol. Chem. 282(47):34448-34456(2007)
Wu, C., et al. Proteomics 7(11):1775-1785(2007)
Matsuoka, S., et al. Science 316(5828):1160-1166(2007)
Kankova, K., et al. Diabetologia 50(5):990-999(2007)

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.