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ADNP Rabbit pAb

Catalog # AP99467

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H2P0
Other Accession	Q9H2P0
Reactivity	Rat, Mouse
Predicted	Human, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	123563
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ADNP
Epitope Specificity	331-400/1102
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 9 C2H2-type zinc fingers. Contains 1 homeobox DNA-binding domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The activity dependent neuroprotective protein (ADNP) gene is frequently amplified in many neoplasias, including breast, bladder, ovarian, pancreatic, and colon cancers. ADNP mRNA is abundantly expressed in distinct normal tissues, and high expression levels were encountered in malignant cells. ADNP is implicated in maintaining cell survival, perhaps through modulation of p53. The encoded protein contains one homeobox and nine zinc finger domains, suggesting that it functions as a transcription factor.

Additional Information

Gene ID	23394
Other Names	ADNP1; HVDAS; MRD28; ADNP_HUMAN; ADNP; Activity-dependent neuroprotective protein; KIAA0784; activity dependent neuroprotector homeobox; activity-dependent neuroprotector; ADNP homeobox 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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