

# Anti-ADNP Antibody

Catalog # ABV11957

## Product Information

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|--------------------------|------------------------|
| <b>Application</b>       | WB, IHC                |
| <b>Primary Accession</b> | <a href="#">Q9H2P0</a> |
| <b>Reactivity</b>        | Human, Mouse, Rat      |
| <b>Host</b>              | Rabbit                 |
| <b>Isotype</b>           | Rabbit IgG             |
| <b>Calculated MW</b>     | 123563                 |

## Additional Information

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|-------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                      | 23394                                                                                                           |
| <b>Positive Control</b>             | WB: LOVO, HCT116, mouse liver, rat liver lysate; IHC: human brain tissue                                        |
| <b>Application &amp; Usage</b>      | WB; 1:500 – 1:2000, IH; 1:50 – 1:200                                                                            |
| <b>Other Names</b>                  | ADNP1, KIAA0784, Activity-dependent neuroprotector homeobox protein, Activity-dependent neuroprotective protein |
| <b>Target/Specificity</b>           | ADNP                                                                                                            |
| <b>Antibody Form</b>                | Liquid                                                                                                          |
| <b>Appearance</b>                   | Colorless liquid                                                                                                |
| <b>Handling</b>                     | The antibody solution should be gently mixed before use                                                         |
| <b>Reconstitution &amp; Storage</b> | -20°C                                                                                                           |
| <b>Background Descriptions</b>      |                                                                                                                 |
| <b>Precautions</b>                  | Anti-ADNP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.            |

## Protein Information

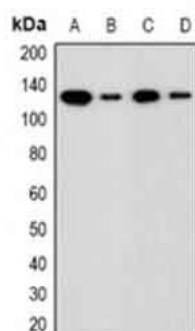
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| <b>Name</b>     | ADNP                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b> | ADNP1, KIAA0784                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Function</b> | 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). |

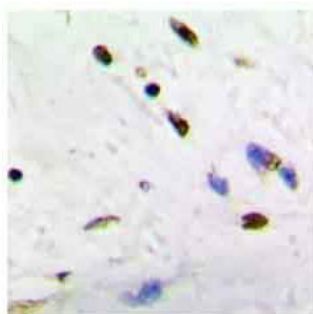
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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cellular Location</b> | Nucleus {ECO:0000255   PROSITE-ProRule:PRU00108}. Chromosome {ECO:0000250   UniProtKB:Q9Z103}                                                                                                                                                                    |
| <b>Tissue Location</b>   | 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 |

## Images

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WB analysis of ADNP expression in LOVO (A); HCT11G (B); mouse liver (C); rat liver (D) whole cell lysates



Immunohistochemical analysis of ADNP staining in human brain formalin fixed paraffin embedded tissue section.

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