



# ADNP Monoclonal Antibody

<b>Catalog No</b>	BYmab-01520
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	ADNP
<b>Protein Name</b>	Activity-dependent neuroprotector homeobox protein
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ADNP. AA range:111-160
<b>Specificity</b>	ADNP Monoclonal Antibody detects endogenous levels of ADNP protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ADNP; ADNP1; KIAA0784; Activity-dependent neuroprotector homeobox protein; Activity-dependent neuroprotective protein
<b>Observed Band</b>	124kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</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.
<b>Function</b>	function:Potential transcription factor. May mediate some of the neuroprotective peptide VIP-associated effects involving normal growth and cancer proliferation.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 homeobox DNA-binding domain.,similarity:Contains 9 C2H2-type zinc fingers.,tissue specificity: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.,

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## 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, Jul 2008],

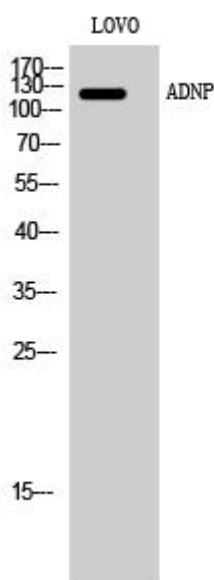
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using ADNP Monoclonal Antibody