

Rat Activity-dependent neuroprotector homeobox protein (ADNP) ELISA Kit

Catalog No: #EK7745

Orders: order@signalwayantibody.com

Package Size: #EK7745-1 48T #EK7745-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Rat Activity-dependent neuroprotector homeobox protein (ADNP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	ADNP1; KIAA0784; ADNP homeobox 1 OTTHUMP0000031275 OTTHUMP00000165329 activity-dependent neuroprotective protein activity-dependent neuroprotector
Accession No.	Q9JKL8
Uniprot	Q9JKL8
GeneID	64622;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:16 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate ADNP in samples. An antibody specific for ADNP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADNP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADNP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADNP bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview: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.

Activity Dependent Neuroprotector 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.

Note: This product is for in vitro research use only