

For Research Use Only

ADNP2 Polyclonal antibody, PBS Only

Catalog Number:17860-1-PBS



Basic Information

Catalog Number:

17860-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12327

GenBank Accession Number:

BC071589

GeneID (NCBI):

22850

UNIPROT ID:

Q6IQ32

Full Name:

ADNP homeobox 2

Calculated MW:

1131 aa, 123 kDa

Observed MW:

123 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

IF/ICC, IP, Indirect ELISA

Species Specificity:

human

Background Information

Activity-dependent neuroprotective protein (ADNP) 2 (KIAA0863; ZNF508) gene, a homeobox-profile containing gene, was identified in a screen for homologous proteins to ADNP. The human ADNP2 contains 1131 amino acid residues with a molecular weight of 122.8 kDa. During development, a relatively high level of ADNP2 gene expression was found in the embryonic mouse brain and was sustained throughout embryogenesis and adulthood. Activity-dependent neuroprotective protein (ADNP), an early marker essential for brain formation, interacts with microtubule end-binding proteins (EB1, EB2, and EB3). EB1 and EB3 are highly expressed in neurons (axons and dendritic spines, respectively) and EB1 enhancement of neurite outgrowth is attenuated by EB2. (PMID: 26315608, PMID: 18179478)

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

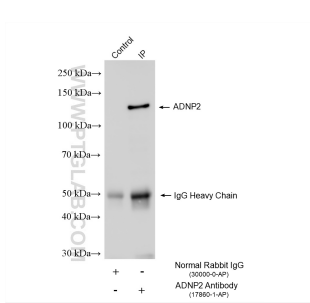
T: 4006900926

E: Proteintech-CN@ptglab.com

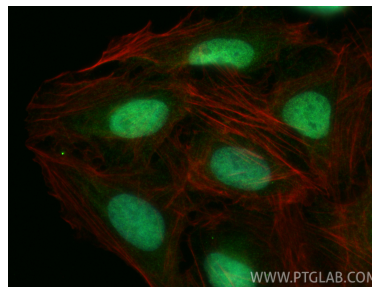
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



IP result of anti-ADNP2 (IP:17860-1-AP, 4ug; Detection:17860-1-AP 1:600) with U2OS cells lysate 760 ug. This data was developed using the same antibody clone with 17860-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using ADNP2 antibody (17860-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 17860-1-PBS in a different storage buffer formulation.