

For Research Use Only

# ADNP2 Polyclonal antibody, PBS Only

Catalog Number:17860-1-PBS



## Basic Information

**Catalog Number:**

17860-1-PBS

**Size:**

100ug , Concentration: 1 mg/ml by Nanodrop;

**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.

**Storage Buffer:**

PBS only, pH7.3

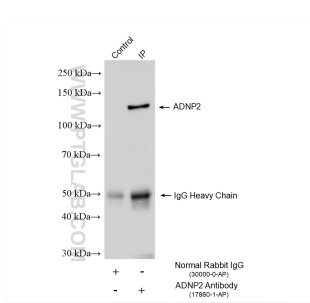
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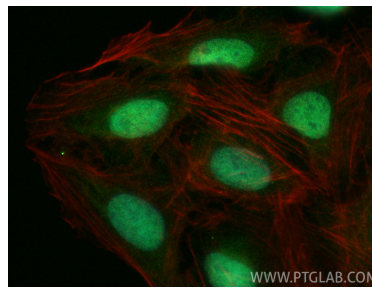
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## Selected Validation Data



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.