

**HN1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14797c**

**Specification**

---

**HN1 Antibody (Center) - Product Information**

Application	IF, WB, FC,E
Primary Accession	<a href="#">O9UK76</a>
Other Accession	<a href="#">NP_001002033.1</a> , <a href="#">NP_057269.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	16015
Antigen Region	58-86

**HN1 Antibody (Center) - Additional Information**

**Gene ID** 51155

**Other Names**

Hematological and neurological expressed 1 protein, Androgen-regulated protein 2, Hematological and neurological expressed 1 protein, N-terminally processed, HN1, ARM2

**Target/Specificity**

This HN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 58-86 amino acids from the Central region of human HN1.

**Dilution**

IF~~1:10~50  
WB~~1:1000  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HN1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**HN1 Antibody (Center) - Protein Information**

**Name** JPT1 ([HGNC:14569](#))

**Function** Modulates negatively AKT-mediated GSK3B signaling (PubMed:[21323578](#), PubMed:[22155408](#)). Induces CTNNB1 'Ser-33' phosphorylation and degradation through the suppression of the inhibitory 'Ser-9' phosphorylation of GSK3B, which represses the function of the APC:CTNNB1:GSK3B complex and the interaction with CDH1/E-cadherin in adherent junctions (PubMed:[25169422](#)). Plays a role in the regulation of cell cycle and cell adhesion (PubMed:[25169422](#), PubMed:[25450365](#)). Has an inhibitory role on AR-signaling pathway through the induction of receptor proteasomal degradation (PubMed:[22155408](#)).

#### **Cellular Location**

Nucleus. Cytoplasm

#### **Tissue Location**

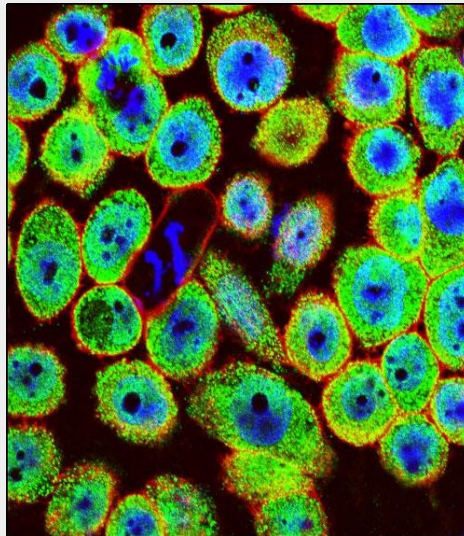
Expressed in testis, skeletal muscle, thymus, prostate, colon, peripheral blood cells, brain and placenta

### **HN1 Antibody (Center) - Protocols**

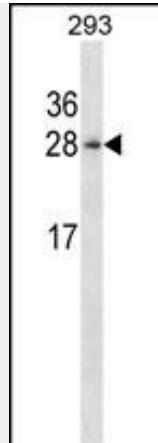
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

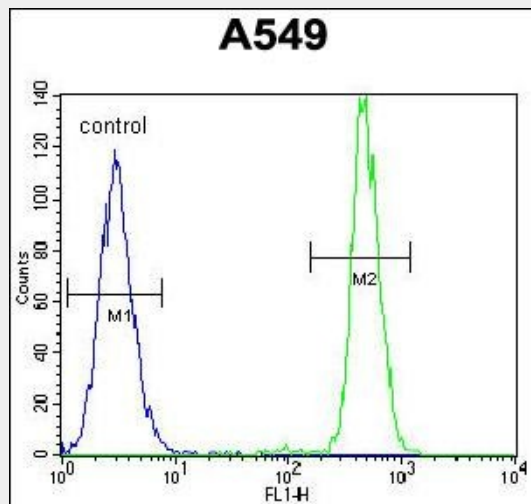
### **HN1 Antibody (Center) - Images**



Confocal immunofluorescent analysis of HN1 Antibody (Center)(Cat#AP14797c) with A549 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).



HN1 Antibody (Center) (Cat. #AP14797c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the HN1 antibody detected the HN1 protein (arrow).



HN1 Antibody (Center) (Cat. #AP14797c) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### HN1 Antibody (Center) - Background

HN1 belongs to the HN1 family.

### HN1 Antibody (Center) - References

- Laughlin, K.M., et al. *Pathol. Oncol. Res.* 15(3):437-444(2009)
- Sugiyama, N., et al. *Mol. Cell Proteomics* 6(6):1103-1109(2007)
- Olsen, J.V., et al. *Cell* 127(3):635-648(2006)
- Zougman, A., et al. *J. Proteome Res.* 5(4):925-934(2006)
- Zhou, G., et al. *Gene* 331, 115-123 (2004) :