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HN1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14797c

Specification

HN1 Antibody (Center) - Product Information

Application	**FC, WB, IF,E**
Primary Accession	Q9UK76
Other Accession	NP_001002033.1, NP_057269.1
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
FC~~1:10~50
WB~~1:1000
IF~~1:10~50
E~~Use at an assay dependent concentration.

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

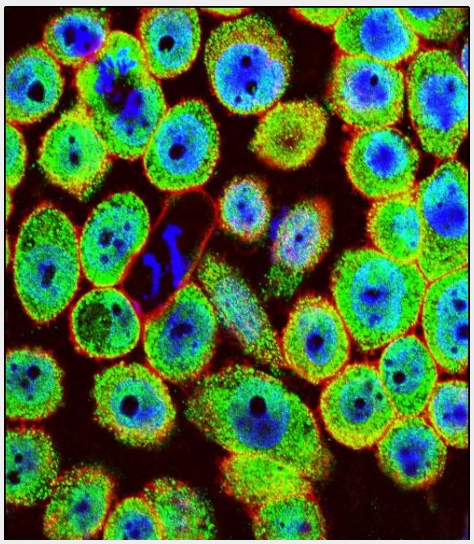
Tissue Location
Expressed in testis, skeletal muscle, thymus, prostate, colon, peripheral blood cells, brain and placenta

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 Cytomety
- 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 lgG (green).Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).

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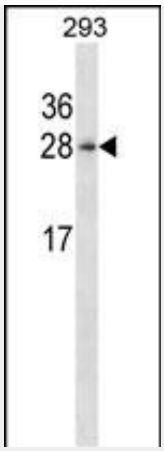
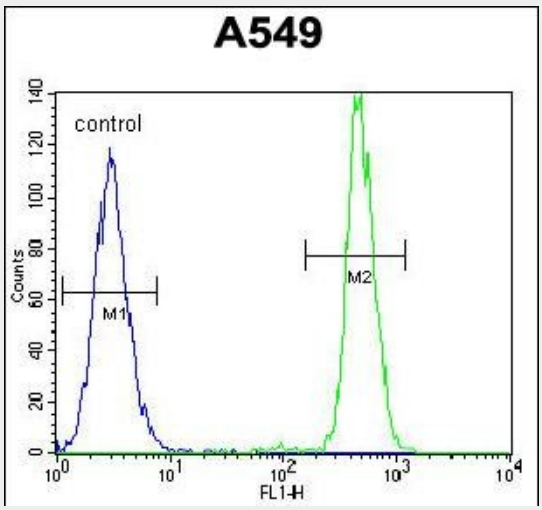


HN1 Antibody (Center) (Cat. #AP14797c) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the HN1 antibody detected the HN1 protein (arrow).



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) :