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HN1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14797c

Product Information

Application	WB, IF, FC, E
Primary Accession	Q9UK76
Other Accession	NP_001002033.1, NP_057269.1
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32984
Calculated MW	16015
Antigen Region	58-86

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

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

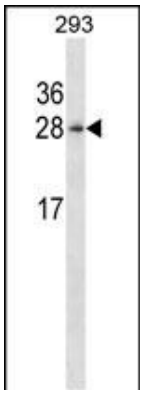
Background

HN1 belongs to the HN1 family.

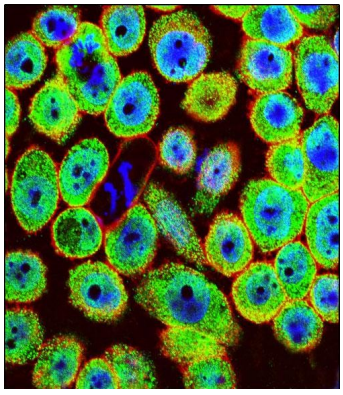
References

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Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
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Zougman, A., et al. J. Proteome Res. 5(4):925-934(2006)
Zhou, G., et al. Gene 331, 115-123 (2004) :

Images

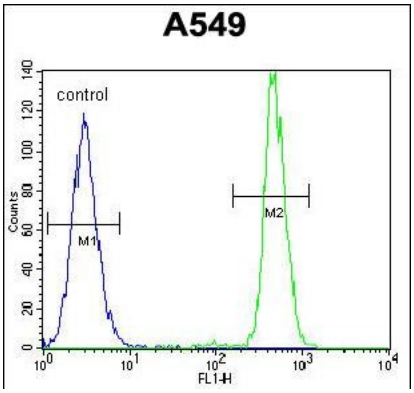


HN1 Antibody (Center) (Cat. #AP14797c) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the HN1 antibody detected the HN1 protein (arrow).



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).

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.