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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
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

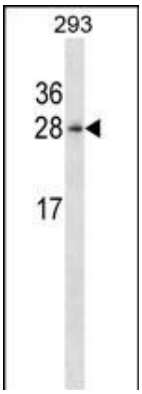
Background

HN1 belongs to the HN1 family.

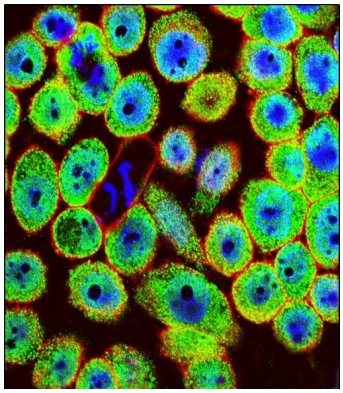
References

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) :

Images

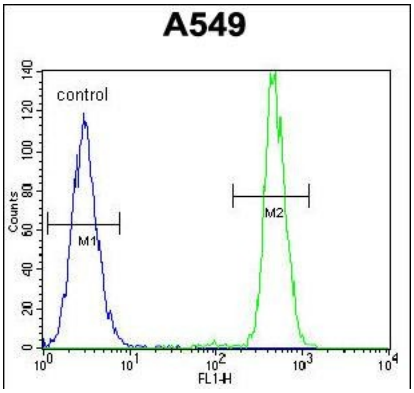


HN1 Antibody (Center) (Cat. #AP14797c) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the HN1 antibody detected the HN1 protein (arrow).



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.