

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
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

Human
Rabbit
Polyclonal
Rabbit IgG
16015
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 (<u>HGNC:14569</u>)

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

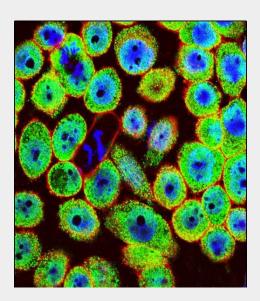
Expressed in testis, skeletal muscle, thymus, prostate, colon, peripheral blood cells, brain and placenta

HN1 Antibody (Center) - Protocols

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

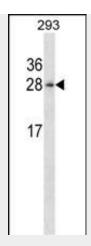
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

HN1 Antibody (Center) - Images

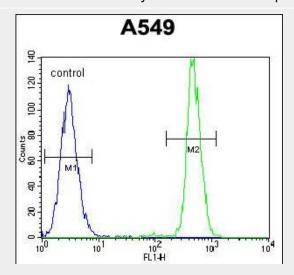


Confocal immunofluorescent analysis of HN1 Antibody (Center)(Cat#AP14797c) with A549 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).





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) :