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HN1 Rabbit pAb

Catalog # AP97908

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9UK76
Other Accession	Q9UK76
Predicted	Rat, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16015
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HN1/ARM2
Epitope Specificity	21-100/154
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the HN1 family.
Post-translational modifications	Isoform 3 initiator methionine is either acetylated or removed. In the latter case, the new N-terminal amino acid is then N-acetylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Hematological and neurological expressed 1 protein (HN1) is a 154 amino acid member of the HN1 family. HN1 has been proposed to play a role in embryo development, specifically hemopoietic cell and neurological development. Localized to the nucleus, HN1 is expressed in many fetal and adult tissues, with highest levels of expression in brain, colon, prostate, testis, thymus, skeletal muscle, peripheral blood cells and placenta. HN1 has been identified to have processed pseudogenes in the mouse, rat and human genomes, suggesting that HN1 and its pseudogenes represent a novel gene family. Three isoforms of HN1 exist as a result of alternative splicing events. HN1L (hematological and neurological expressed 1-like protein), also known as C16orf34 or L11, is a 190 amino acid protein that belongs to the HN1 family. Localizing to the cytoplasm as well as the nucleus, HN1L is expressed in liver, kidney, prostate, testis and uterus. HN1L gets upregulated in certain carcinomas, including squamous cell carcinoma (SCC), adenocarcinoma (AC), adenosquamous cell carcinoma (ASCC) and bronchioalveolar carcinoma (BAC), and is also expressed in breast and uterine tumors. HN1L, along with HN1, may be involved in embryo development.

Additional Information

Gene ID	51155
Other Names	ARM2; HN1; HN1A; JUPI1_HUMAN; JPT1; Androgen-regulated protein 2; Hematological and neurological expressed 1 protein; JUPI1_MOUSE; JUPI1_RAT; Jupiter microtubule associated homolog 1; hematological and

	neurological expressed 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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