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Rabbit Anti-HN1/APC Conjugated antibody

SL9069R-APC

Product Name	Anti-HN1/APC
Chinese Name	APC 标记的雄激素调节蛋白 2 抗体
Alias	Androgen regulated protein 2; Androgen-regulated protein 2; ARM2; Hematological and neurological expressed 1; Hematological and neurological expressed 1 protein; HN1; HN1_HUMAN; HN1A.
Research Area	Cell biology immunology Kinases and Phosphatases
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Rabbit)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	16kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human HN1/ARM2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** 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.

Subcellular Location:
Nucleus

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

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.

Similarity:
Belongs to the HN1 family.

Database links:

Entrez Gene: 51155 Human

Entrez Gene: 15374 Mouse

Entrez Gene: 287828 Rat

SwissProt: Q9UK76 Human

SwissProt: P97825 Mouse

SwissProt: Q6AXU6 Rat

Unigene: 532803 Human

Unigene: 1775 Mouse

Unigene: 198910 Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.