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[Marker Primary Antibody]

Rabbit Anti-HN1/Cy3 Conjugated antibody

Catalog Number: SL9069R-Cy3

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-HN1/Cy3
Immunogen:	KLH conjugated synthetic peptide derived from human HN1/ARM2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Rabbit)
Background:	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),

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	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.