
JPT1 Antibody Blocking Peptide

Catalog Number: bs-9069P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.