Bioworld Technology CO., Ltd.

hnRNP G (M40) Peptide

Cat No.: BS2274P

Background

Heterogeneous nuclear ribonucleoproteins (hnRNPs) constitute a set of polypeptides that contribute to mRNA transcription, pre-mRNA processing as well as mature mRNA transport to the cytoplasm and translation. They also bind heterogeneous nuclear RNA (hnRNA), which are the transcripts produced by RNA polymerase II. There are approximately 20 known hnRNP proteins, and their complexes are the major constituents of the spliceosome. The majority of hnRNP proteins components are localized to the nucleus; however some shuttle between the nucleus and the cytoplasm. hnRNP G is a glycoprotein, which was originally identified as an autoantigen from German shepherd dogs with lupus-like syndrome. The gene encoding hnRNP G is located on chromosome Xq26 and is ubiquitously expressed. It contains one RNP-consensus RNA binding domain (RBD) and is related to RBMY, which is involved in spermatogenesis, and hnRNP G-T, which is a testis specific protein. All three proteins interact with Tra2b and therefore, are involved in pre-mRNA splicing.

Swiss-Prot

P38159

Applications

Blocking

Specificity

This peptide can be used with studies using BS2274 hnRNP G (M40) pAb.

Purification & Purity

Synthetic peptide hnRNP G (M40). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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