

Code No. 18941

**Anti-Human
hnRNP B1 Rabbit IgG Affinity Purify**

Volume : 100 µg

Introduction : hnRNP (heterogenous nuclear ribonucleoprotein) is a nuclear RNA binding protein and its family consists of about 30 polypeptides. It plays a role in the splicing of pre-mRNA into the mature product in association with small nuclear ribonucleoprotein (snRNP) and splicing factors. The hnRNP B1 was recently shown to be up-regulated in the early stage of lung cancer. Over-expression of hnRNP has been suggested as evidence that normal transcriptional regulation is altered

Antigen : Synthetic peptide of the N terminal part of human hnRNP (KTLETVPLERKKREK)

Purification : Purified with antigen peptide

Form : Lyophilized product from 1 % BSA in PBS containing 0.05% NaN₃

How to use : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

Stability : Lyophilized product, 5 years at 2 - 8 °C
: Solution, 2 years at -20 °C

Application : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues after microwave pretreatment (10 min, 10 mM citrate buffer, pH 6.0) by several techniques such as Avidin Biotin Complex (ABC) Method. The optimal concentration is about 0.5 µg/mL, however, the concentration should be optimized by each laboratory.
: This antibody can be used for western blotting in concentration of 0.5 - 1 µg /mL.

Specificity : Confirmed by western blotting (37 kDa).

Reference : 1. Sueoka E, Goto Y, Sueoka N, Kai Y., Kozu T, and Fujiki H. Heterogeneous nuclear ribonucleoprotein B1 as a new marker of early detection for human lung cancers. *Cancer Res.* 59: 1404-1407 (1999)
2. Goto Y, Sueoka E, Chiba H, and Fujiki H. Significance of heterogeneous nuclear ribonucleoprotein B1 as a new early detection marker for oral squamous cell carcinoma. *Jpn. J. Cancer Res.* 90: 1358-1363 (1999)