

## hnRNP I Rabbit monoclonal antibody

Catalog: MB66450

Host: Rabbit

Reactivity: Human, Mouse, Hamster

### BackGround:

PTBP1 and PTBP2 are highly related pre-mRNA binding proteins that silence the splicing of alternative exons. While PTBP1 is widely expressed, PTBP2, also known as neural PTB or nPTB, is expressed in post-mitotic neurons. In other cell types, PTBP2 transcripts are alternatively spliced by PTBP1, which leads to non-sense-mediated decay. PTBP1 and 2 bind to similar regions across the transcriptome, but PTBP1 has a stronger repressive property likely due to cofactors such as Raver1 and Matrin3. Overexpression of PTBPs in various cancers has been observed, leading to alternative splicing of key proteins in oncogenic pathways.

### Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

### Molecular Weight:

~ 57 kDa

### Swiss-Prot:

P26599

### Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

### Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/100)

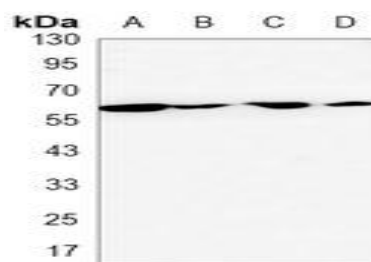
### Storage&Stability:

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

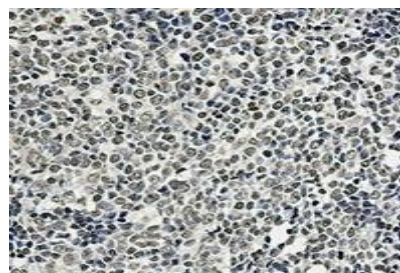
### Specificity:

Recognizes endogenous levels of hnRNP I protein.

### DATA:



Western blot analysis of hnRNP I expression in HeLa (A), CHOK1 (B), Ramos (C), NIH3T3 (D) whole cell lysates.



Immunohistochemical analysis of hnRNP I staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.130). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

### Note:

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

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