

hnRNP U monoclonal antibody

Catalog: MB66525

Host: Mouse

Reactivity: Human

BackGround:

hnRNP U, also known as scaffold attachment factor A (SAF-A) or SP120, was first described as a nuclear matrix protein that contributes to RNA metabolism. hnRNP U has been shown to bind pre-mRNAs and contributes to splicing by controlling U2 snRNP maturation. Furthermore, hnRNP U has been shown to bind chromatin to help regulate its structure during interphase. During prophase, hnRNP U becomes phosphorylated by Aurora-B, which evicts hnRNP U and the chromatin-associated RNAs bound to it, a process critical to proper chromosome alignment. hnRNP U plays a role in the chromatin localization of Xist RNA, and loss of hnRNP U in ES cells fail to achieve an inactivated X chromosome. hnRNP U has also been shown to play a key role in immunity, functioning as a viral dsRNA sensor. Upon viral recognition, hnRNP U oligomerizes and activates numerous antiviral genes, including IFNB1. Loss of function variants of hnRNP U have been shown to cause early onset epilepsy and intellectual disorders.

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

~ 125 kDa

Swiss-Prot:

Q00839

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

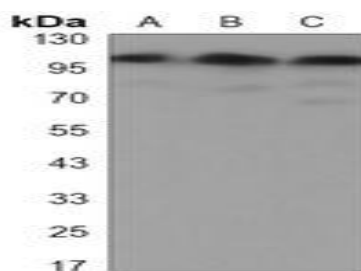
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of hnRNP U protein.

DATA:



Western blot analysis of hnRNP U expression in K562 (A), Jurkat (B), HeLa (C) whole cell lysates.

Note:

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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151