WDR77 monoclonal antibody

Catalog: MB66570 Host: Mouse Reactivity: Human, Mouse, Rat

BackGround:

MEP50 (methylosome protein 50) is a component of the methylosome, a protein arginine methyltransferase complex that modifies specific arginine residues found in arginine- and glycine-rich regions of some spliceosomal Sm proteins. MEP50 is important for methylosome activity and may regulate the transfer of Sm proteins to the SMN (survival of motor neurons) complex, an early step in the assembly of U snRNPs. Both the methylosome and the SMN complex are essential for the assembly of spliceosomal snRNPs. MEP50 is a WD repeat protein that may provide an interface for multiple protein interactions between methylosome proteins. It binds to JBP1, an arginine protein methyltransferase component of the methylosome. MEP50 has been shown to interact with CTD phosphatase FCP1 (CTDP1), a protein that may link the processes of transcriptional elongation and splicing, and with SUZ12, a polycomb group protein involved in transcriptional repression. JBP1 and MEP50 have also been reported to interact with the methyl-CpG binding protein complex MBD2/NuRD.

Product:

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

Molecular Weight:

~ 42 kDa

Swiss-Prot:

Q9BQA1

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IF/ICC (1/50 - 1/100)

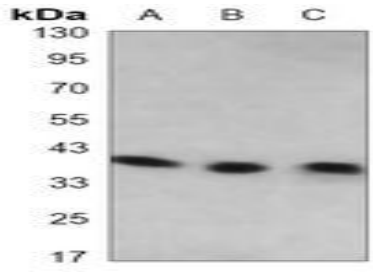
Storage&Stability:

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

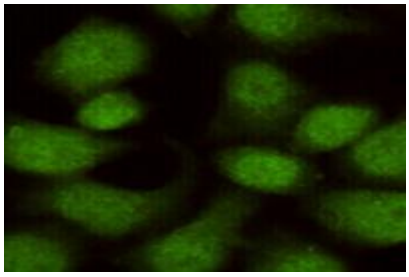
Specificity:

Recognizes endogenous levels of WDR77 protein.

DATA:



Western blot analysis of WDR77 expression in C6 (A), NIH3T3 (B), K562 (C) whole cell lysates.



Immunofluorescent analysis of WDR77 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ℃ in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

Note:

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

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