

pan-Mono-MethylR (R*GG) Motif polyclonal antibody

Catalog: BS74116

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Arginine methylation is a common posttranslational modification that is found on both histone and non-histone proteins. Three types of arginine methylation exist in mammalian cells: monomethylarginine (MMA), asymmetric dimethylarginine (ADMA) and symmetric dimethylarginine (SDMA). The most prevalent is omega-NG,NG-dimethylarginine. Here, two methyl groups are placed on one of the terminal nitrogen atoms of the guanidino group; this derivative is commonly referred to as asymmetric dimethylarginine (ADMA). Two other derivatives occur at levels of about 20% to 50% that of ADMA. These include the symmetric dimethylated derivative, where one methyl group is placed on each of the terminal guanidino nitrogens and the monomethylated derivative with a single methyl group on the terminal nitrogen atom. These three derivatives are present on a multitude of distinct protein species in the cytoplasm, nucleus, and organelles of mammalian cells. Methylated arginine residues in proteins are often flanked by one or more glycine residues, but there are many exceptions to this general rule.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

16-120KDa

Swiss-Prot:

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB, 1:500 - 1:2000

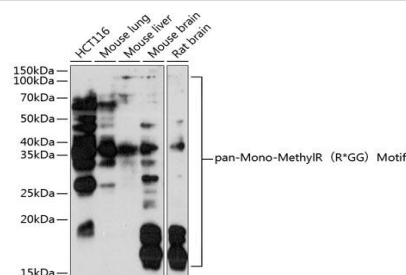
Storage&Stability:

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

Modification:

Methylated

DATA:



Western blot analysis of extracts of various cell lines, using pan-Mono-MethylR Motif pAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

Note:

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

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