

Dimethylated Arginine Antibody

Subcategory: Modification Specific Antibody, Rabbit Polyclonal Antibody

Cat. No.: 251132

Unit: 0.1 mg

Description:

Arginine methylation is a very common post-translational modification that occurs predominantly in the nucleus. The main pool of proteins that are methylated displays RNA binding properties. Arginine methylation has been implicated in a variety of cellular processes, including protein trafficking, signal transduction and transcriptional regulation. Asymmetric dimethylarginine (ADMA) is also a naturally occurring chemical found in blood plasma as a metabolic by-product of continual protein methylation in cells. The antibody can be used for detection, quantitation, and isolation of proteins with methylated arginine residues (asymmetric dimethylation).

Isotype: Rabbit Ig

Applications: E, IF, IHC, IP, WB

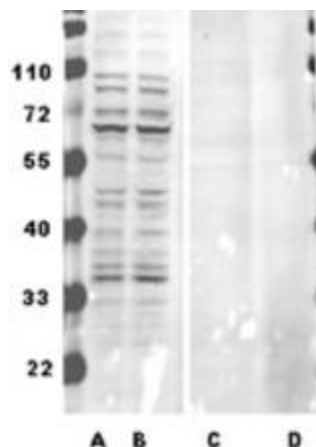
Species Reactivity: H, M, P

Format: Each vial contains 0.1 mg IgG in 0.4 ml (0.25 mg/ml) of PBS pH7.4, 50% glycerol. Antibody was purified by immunogen-affinity chromatography on a dimethylarginine agarose column and then adsorbed on monomethylarginine agarose beads.

Alternate Names: Dimethylated Arginine; Asymmetric dimethylarginine; ADMA; NG,NG-dimethylarginine

Antigen: N-gamma,N-gamma dimethyl arginine KLH conjugates

Application Notes: Cat. No. 251132 recognizes proteins methylated on arginine residues (dimethylated arginine). There is no reaction with acetylated and monomethylated proteins. E: 1:500-1:2,000; WB: 1:200-1:1000; IHC: 1:100-1:500; IP: 5 ug sample; IF: 5 ug/ml



The Dimethylated Arginine Antibody (Cat. No. 251132) is used in Western blot to detect dimethylated proteins in human melanoma cell lysates (lanes A, B). Control with pre-incubation with dimethylated arginine (lanes C, D).

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.