

Pan-Symmetric Di-Methyl Arginine Motif Rabbit mAb

Catalog No.: A20794

Recombinant

1 Publications

Basic Information

Observed MW

10-180kDa

Calculated MW

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC51197

Background

Symmetric Dimethylarginine is a dimethylated derivative of L-arginine where the two methyl groups are attached to arginine in a symmetrical configuration. Symmetric dimethylarginine (SDMA) is formed when S-adenosylmethionine protein N-methyltransferases transfer one methyl group from S-adenosylmethionine to each of the two guanidine nitrogen groups of a single arginine residue in a protein. SDMA is released when the protein is degraded. SDMA doesn't bind nitric oxide synthase (NOS) but may noncompetitively inhibit nitric oxide (NO) synthesis by reducing L-arginine availability; it also may play a role in the modulation of cardiovascular homeostasis and renal function.

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

Swiss Prot

Immunogen

A synthetic peptide corresponding to a sequence containing Symmetric Di-Methyl R.

Synonyms

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

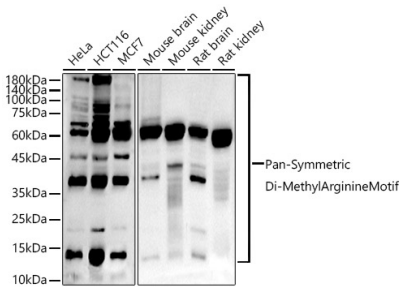
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates, using Pan-SymmetricDi-MethylArginineMotif Rabbit mAb (A20794) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.