

# 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

WB,ELISA

### Cross-Reactivity

Human, Mouse, Rat, Other (Wide Range Predicted)

### 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

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## 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

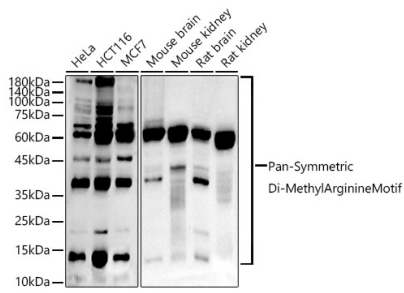
### Storage

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

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

## Validation Data

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Western blot analysis of various lysates, using Pan-SymmetricDi-MethylArginineMotif Rabbit mAb (A20794) at 1:1000 dilution.

Secondary antibody: HRP-conjugated 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.