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# 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 noncompetitivelty 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** | 1:1000 - 1:2000 |
| **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**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**

## Contact


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## Product Information

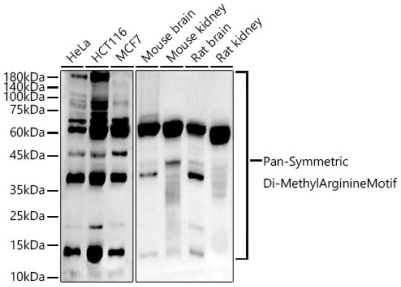
**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data




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.