

**N-terminal Arginylation Antibody**  
**N-terminal Arginylation Antibody, Clone 4A9**  
**Catalog # ASM10171**

**Specification**

**N-terminal Arginylation Antibody - Product Information**

Application	<b>WB</b>
Host	<b>Mouse</b>
Isotype	<b>IgG1</b>
Clonality	<b>Monoclonal</b>
Format	<b>RPE</b>

**Description**

Mouse Anti-N-terminal Arginylation  
Monoclonal IgG1

**Target/Specificity**

Specific for N-terminal arginine next to glutamic acid. Does not detect N-terminal arginine next to aspartic acid or internal arginine residues.

**Other Names**

N-terminal Arginine Antibody, N-terminal Arginylation Antibody, N-terminal Arginylated Antibody, N terminal Arginine Antibody, N terminal Arginylation Antibody, N terminal Arginylated Antibody, Amino-terminal Arginine Antibody, Amino-terminal Arginylation Antibody, Amino-terminal Arginylated Antibody, Amino terminal Arginine Antibody, Amino terminal Arginylation Antibody, Amino terminal Arginylated Antibody

**Immunogen**

Synthetic N-terminal arginylated peptide conjugated to KLH

**Purification**

Protein G Purified

Storage **-20°C**

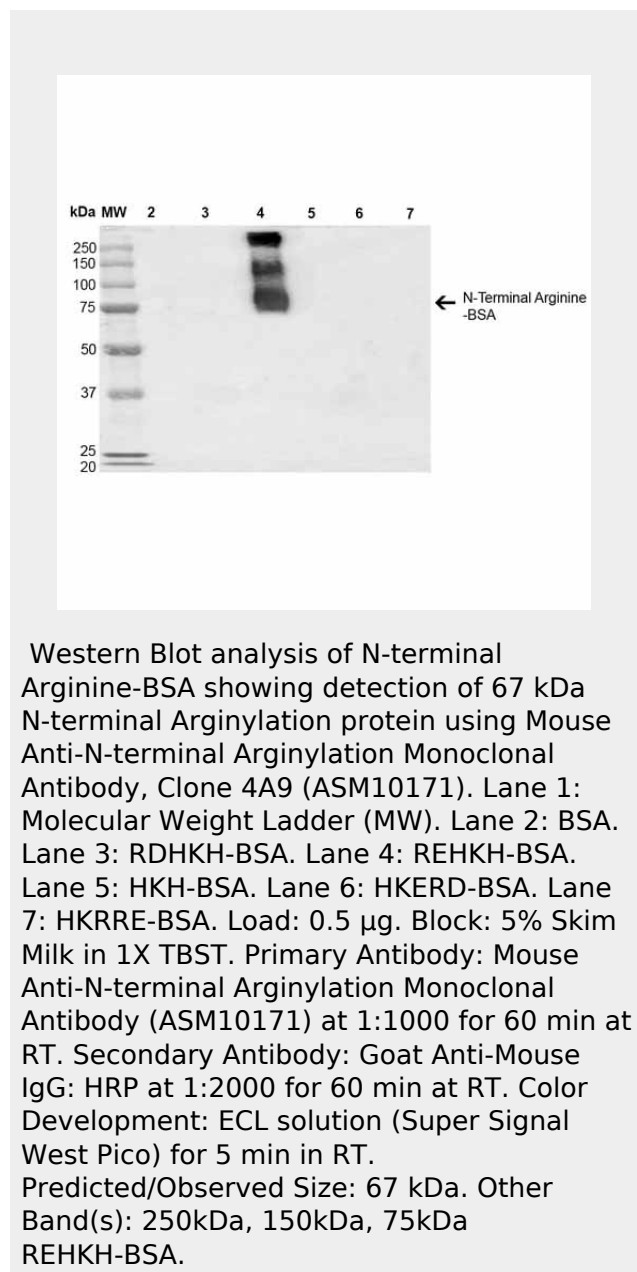
**Storage Buffer**

PBS pH 7.4, 50% glycerol, 0.9% Sodium Azide

Shipping **Blue Ice or 4°C**  
Temperature

**Certificate of Analysis**

A 1:1000 dilution of SMC-263 was sufficient for detection of N-terminal Arginylation in



**N-terminal Arginylation Antibody - Background**

Protein arginylation is the post-translational addition of arginine to proteins by arginyltransferase ATE1. Arginylation of proteins has been found to play an essential role in physiological pathways during

0.5 ug of N-terminal Arginine peptide conjugated to BSA by ECL immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.

**Cellular Localization**  
Endoplasmic Reticulum

### **N-terminal Arginylation Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

embryogenesis and adulthood (1). Arginylation has also been shown to regulate cell stress responses, including ER stress, cytosolic misfolded proteins, and heat stress (2).

### **N-terminal Arginylation Antibody - References**

1. Saha S. and Kashina A. (2011) Dev Biol. 385(1): 1-8.
2. Deka K., et al. (2016) Cell Death Discov. 2: 16074.