

N-terminal Arginylation Antibody
N-terminal Arginylation Antibody, Clone 4D12
Catalog # ASM10172

Specification

N-terminal Arginylation Antibody - Product Information

Application **WB**
Host **Mouse**
Isotype **IgG1**
Clonality **Monoclonal**

Description

Mouse Anti-N-terminal Arginylation
Monoclonal IgG1

Target/Specificity

Specific for N-terminal arginine, next to both glutamic acid and aspartic acid. Does not detect internal arginine.

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**

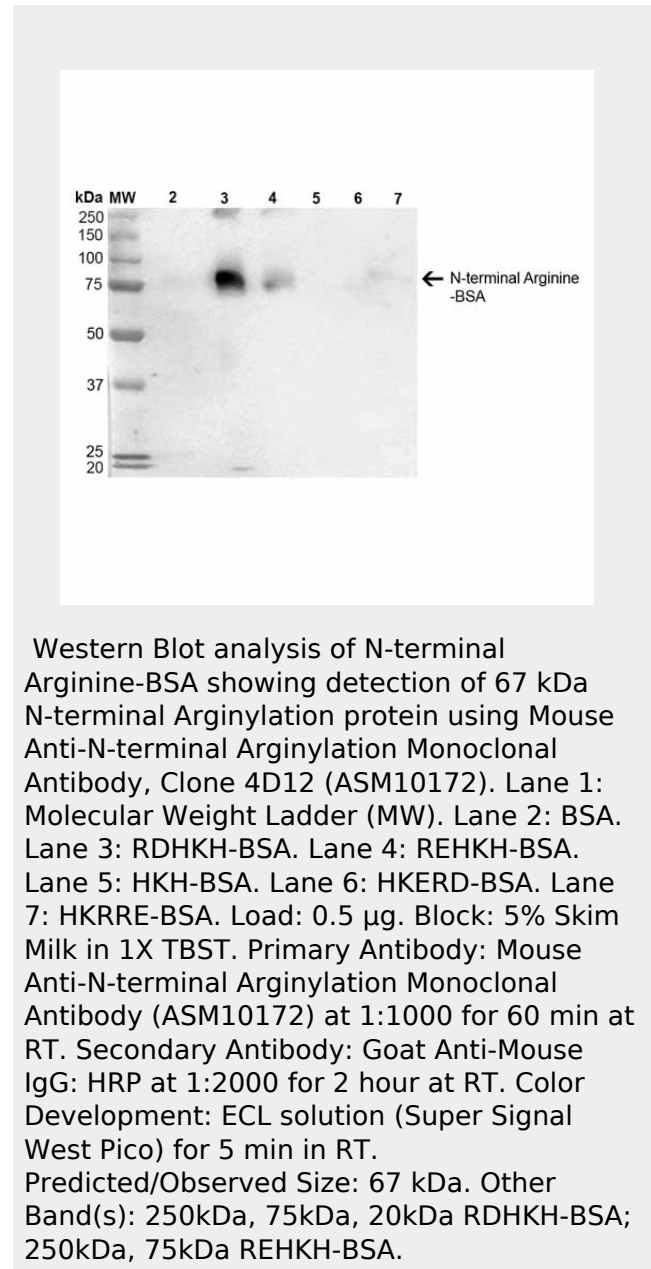
Storage Buffer

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-264 was sufficient for detection of N-terminal Arginylation in 0.5 ug of N-terminal Arginine peptide conjugated to BSA by ECL immunoblot



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

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.