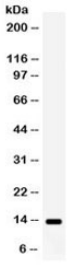
# S100A9 Polyclonal Antibody (R32068)

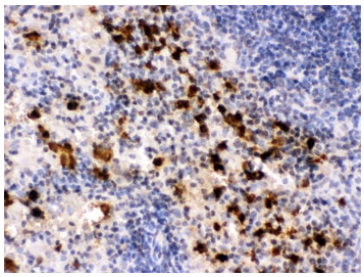
| Catalog No. | Formulation | Size |
|---|---|---|
| R32068 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

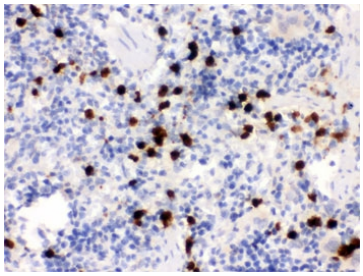
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| **UniProt** | P31725 |
| **Localization** | Cytoplasmic |
| **Applications** | Western blot: 0.1-0.5ug/ml<br>IHC (FFPE): 0.5-1ug/ml<br>ELISA: 0.1-0.5ug/ml (mouse protein tested); request BSA-free format for coating |
| **Limitations** | This S100A9 Polyclonal Antibody is available for research use only. |




S100A9 Polyclonal Antibody WB Analysis. Western blot testing of mouse ovary lysate with S100A9 antibody. Expected/observed molecular weight ~14 kDa.



S100A9 Polyclonal Antibody Immunohistochemistry Analysis. IHC testing of FFPE mouse spleen with S100A9 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat spleen with S100A9 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

## Description

S100A9 Polyclonal Antibody detects S100 calcium-binding protein A9 (S100A9), also known as migration inhibitory factor-related protein 14 (MRP14) or calgranulin B, a protein that in humans is encoded by the S100A9 gene. S100-A9 is a member of the S100 family of proteins containing 2 EF hand calcium-binding motifs. And S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in the inhibition of casein kinase.

MRP14, also known as S100A9 or calgranulin B, is a calcium-binding protein involved in neutrophil activation, innate immune signaling, and calprotectin formation. For an additional antibody targeting this inflammatory regulator, with western blot, immunohistochemistry, immunofluorescence, flow cytometry, and knockout validation data, see our S100A9 Antibody page.

## Application Notes

Optimal dilution of the S100A9 Polyclonal Antibody should be determined by the researcher.

## Immunogen

Amino acids 2-113 of mouse S100A9 were used as the immunogen for the S100A9 antibody.

## Storage

After reconstitution, the S100A9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

## Alternate Names

Calprotectin L1H subunit , MRP14, Calgranulin B

Copyright © NSJ Bioreagents. All rights reserved.