

## Rabbit anti-Mouse, Rat S100A8 Polyclonal Antibody | anti-S100A8 antibody

S100A8 Polyclonal Antibody

|                               |                       |                                 |                                                           |
|-------------------------------|-----------------------|---------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA179557</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|---------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

S100A8; Polyclonal Antibody; S100A8 Polyclonal Antibody; p; Ca; MR; p8; B8A; CFA; B8Ag; CFAg; CP-1; Caga; MRP8; 60B8A; CP-10; 60B8Ag; AI323541; anti-S100A8 antibody

### PRODUCT SPECIFICATIONS

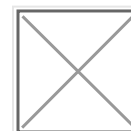
|                                                  |                                                           |
|--------------------------------------------------|-----------------------------------------------------------|
| Host                                             | Rabbit                                                    |
| Reactivity                                       | Mouse, Rat                                                |
| Clonality                                        | Polyclonal                                                |
| Isotype                                          | IgG                                                       |
| Purity/Purification                              | Affinity purification                                     |
| Form/Format                                      | PBS with 0.05% proclin300,50% glycerol,pH7.3.             |
| Concentration                                    | 1mg/mL (varies by lot)                                    |
| Applicable Applications for anti-S100A8 antibody | IHC (Immunohistochemistry), WB (Western Blot)             |
| Immunogen                                        | Recombinant fusion protein of mouse S100A8                |
| Preparation and Storage                          | Storage: -20 degree C/One year. Avoid freeze/thaw cycles. |

### IMAGES



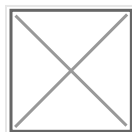
#### IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded rat spleen using S100A8 Polyclonal Antibody at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



#### IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded mouse spleen using S100A8 Polyclonal Antibody at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines using S100A8 Polyclonal Antibody at 1:1000 dilution.

## ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-S100A8 antibody | S100A8 is calcium- and zinc-binding protein which plays a prominent role in the regulation of inflammatory processes and immune response. It can induce neutrophil chemotaxis and adhesion. Predominantly found as calprotectin (S100A8/A9 which has a wide plethora of intra- and extracellular functions. The intracellular functions include: facilitating leukocyte arachidonic acid trafficking and metabolism, modulation of the tubulin-dependent cytoskeleton during migration of phagocytes and activation of the neutrophilic NADPH-oxidase. Activates NADPH-oxidase by facilitating the enzyme complex assembly at the cell membrane, transferring arachidonic acid, an essential cofactor, to the enzyme complex and S100A8 contributes to the enzyme assembly by directly binding to NCF2/P67PHOX. The extracellular functions involve proinflammatory, antimicrobial, oxidant-scavenging and apoptosis-inducing activities. |
| Product Categories/Family for anti-S100A8 antibody   | <a href="#">Antibodies</a> ; <a href="#">Primary Antibodies</a> ; <a href="#">Polyclonal Antibody</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">7305453</a>                                                                                                                                                                                                                       |
| NCBI GeneID                      | <a href="#">20201</a>                                                                                                                                                                                                                         |
| NCBI Accession #                 | <a href="#">NP_038678.1</a>                                                                                                                                                                                                                   |
| NCBI GenBank Nucleotide #        | <a href="#">NM_013650.2</a>                                                                                                                                                                                                                   |
| UniProt Accession #              | <a href="#">P27005</a> ; <a href="#">P31724</a>                                                                                                                                                                                               |
| NCBI Official Full Name          | protein S100-A8                                                                                                                                                                                                                               |
| NCBI Official Synonym Full Names | S100 calcium binding protein A8 (calgranulin A)                                                                                                                                                                                               |
| NCBI Official Symbol             | S100a8                                                                                                                                                                                                                                        |
| NCBI Official Synonym Symbols    | p8; B8Ag; CFAG; Caga; MRP8; CP-10; 60B8Ag; AI323541                                                                                                                                                                                           |
| NCBI Protein Information         | protein S100-A8; MRP-8; S100 calcium-binding protein A8; calgranulin-A; chemotactic S100 protein; chemotactic cytokine CP-10; leukocyte L1 complex light chain; migration inhibitory factor-related protein 8; pro-inflammatory S100 cytokine |
| UniProt Protein Name             | Protein S100-A8                                                                                                                                                                                                                               |
| UniProt Gene Name                | <b>S100a8</b>                                                                                                                                                                                                                                 |
| UniProt Synonym Gene Names       | Caga; Mrp8; MRP-8; p8                                                                                                                                                                                                                         |
| UniProt Entry Name               | S10A8_MOUSE                                                                                                                                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/s100a8-antibody-immunohistochemistry-western-blot-elisa/179557>