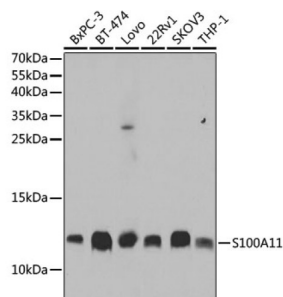
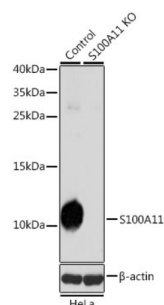


## S100 Calcium Binding Protein A11 (S100A11) Antibody

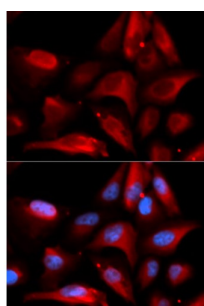
Catalogue No.: abx004203



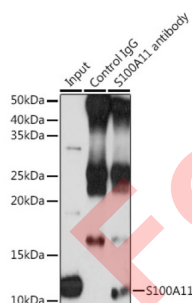
Western blot analysis of various lysates using [KO Validated] S100A11 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 10s.



Western blot analysis of lysates from wild type (WT) and S100A11 knockout (KO) HeLa cells, using [KO Validated] S100A11 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 10s.



Immunofluorescence analysis of U2OS cells using [KO Validated] S100A11 Antibody. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 µg extracts of THP-1 cells using 3 µg S100A11 antibody. Western blot was performed from the immunoprecipitate using S100A11 antibody at a dilution of 1/1000.

S100A11 Antibody is a Rabbit Polyclonal antibody against S100A11. The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. 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 motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis.

### Target:

S100 Calcium Binding Protein A11 (S100A11)

# Datasheet

Version: 5.0.0  
Revision date: 30 Jul 2025



|                               |                                                                                                                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clonality:</b>             | Polyclonal                                                                                                                                                                                               |
| <b>Reactivity:</b>            | Human                                                                                                                                                                                                    |
| <b>Tested Applications:</b>   | ELISA, WB, IF/ICC, IP                                                                                                                                                                                    |
| <b>Host:</b>                  | Rabbit                                                                                                                                                                                                   |
| <b>Recommended dilutions:</b> | ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200, IP: 0.5 µg - 4 µg antibody per 200 µg - 400 µg extracts of whole cells. Optimal dilutions/concentrations should be determined by the end user. |
| <b>Conjugation:</b>           | Unconjugated                                                                                                                                                                                             |
| <b>Immunogen:</b>             | Recombinant protein corresponding to S100A11. The exact sequence is proprietary.                                                                                                                         |
| <b>Isotype:</b>               | IgG                                                                                                                                                                                                      |
| <b>Form:</b>                  | Liquid                                                                                                                                                                                                   |
| <b>Purification:</b>          | Purified by affinity chromatography.                                                                                                                                                                     |
| <b>Storage:</b>               | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.                                                                                                                                           |
| <b>UniProt Primary AC:</b>    | P31949 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )                                                                                                                                              |
| <b>Gene Symbol:</b>           | S100A11                                                                                                                                                                                                  |
| <b>GeneID:</b>                | <a href="#">6282</a>                                                                                                                                                                                     |
| <b>NCBI Accession:</b>        | NP_005611.1                                                                                                                                                                                              |
| <b>KEGG:</b>                  | hsa:6282                                                                                                                                                                                                 |
| <b>String:</b>                | <a href="#">9606.ENSP00000271638</a>                                                                                                                                                                     |
| <b>Molecular Weight:</b>      | Calculated MW: 12 kDa<br>Observed MW: 12 kDa                                                                                                                                                             |
| <b>Buffer:</b>                | PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.                                                                                                                                                |
| <b>Concentration:</b>         | > 0.2 mg/ml                                                                                                                                                                                              |
| <b>Note:</b>                  | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.                                                               |