

## Rabbit anti-Human S100A14 Polyclonal Antibody | anti-S100A14 antibody

Anti-S100A14 Antibody Picoband

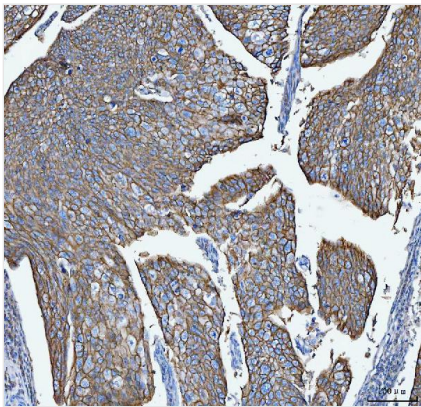
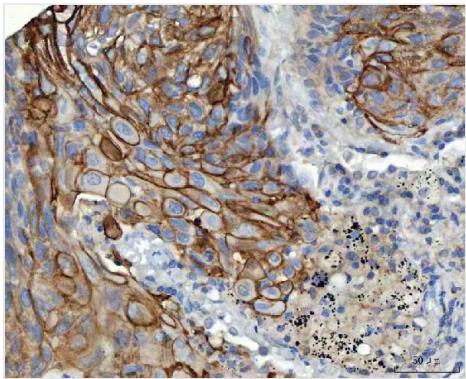
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS         |
|-----------|--------|------------|----------------------|
| AAA126458 | Rabbit | Human      | Immunohistochemistry |

### PRODUCT SYNONYMS

S100A14; Polyclonal Antibody; Anti-S100A14 Antibody Picoband; anti-S100A14 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                              |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                       |
| Reactivity                                        | Human                                                                                                                                                                                                                        |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                   |
| Isotype                                           | Rabbit IgG                                                                                                                                                                                                                   |
| Purity/Purification                               | Immunogen affinity purified.                                                                                                                                                                                                 |
| Form/Format                                       | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                     |
| Concentration                                     | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-S100A14 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                   |
| Reconstitution                                    | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                    |
| Immunogen                                         | A synthetic peptide corresponding to a sequence of human S100A14 (ELIGEAAKSVKLERPVRGH).                                                                                                                                      |
| Preparation and Storage                           | Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing. |



**IHC (Immunohistochemistry)**  
Figure 2. IHC analysis of S100A14 using anti-S100A14 antibody (AAA126458).S100A14 was detected in a paraffin-embedded section of human lung squamous cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-S100A14 Antibody (AAA126458) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

**IHC (Immunohistochemistry)**  
Figure 1. IHC analysis of S100A14 using anti-S100A14 antibody (AAA126458).S100A14 was detected in a paraffin-embedded section of human cervix squamous carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-S100A14 Antibody (AAA126458) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-S100A14 antibody | S100 calcium binding protein A14 (S100A14) is a protein that in humans is encoded by the S100A14 gene. This gene encodes a member of the S100 protein family which contains an EF-hand motif and binds calcium. The gene is located in a cluster of S100 genes on chromosome 1. Levels of the encoded protein have been found to be lower in cancerous tissue and associated with metastasis suggesting a tumor suppressor function. |
| Product Categories/Family for anti-S100A14 antibody   | Primary Antibodies, Rabbit Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------|
| NCBI GI #                        | 10190712                                                                                    |
| NCBI GeneID                      | 57402                                                                                       |
| NCBI Accession #                 | NP_065723.1                                                                                 |
| NCBI GenBank Nucleotide #        | NM_020672.2                                                                                 |
| UniProt Accession #              | Q9HCY8; Q5RHT0                                                                              |
| Molecular Weight                 | 11,662 Da                                                                                   |
| NCBI Official Full Name          | protein S100-A14                                                                            |
| NCBI Official Synonym Full Names | S100 calcium binding protein A14                                                            |
| NCBI Official Symbol             | S100A14                                                                                     |
| NCBI Official Synonym Symbols    | BCMP84; S100A15                                                                             |
| NCBI Protein Information         | protein S100-A14; S100 calcium-binding protein A14; S114; breast cancer membrane protein 84 |
| UniProt Protein Name             | Protein S100-A14                                                                            |
| UniProt Gene Name                | S100A14                                                                                     |
| UniProt Synonym Gene Names       | S100A15; S114                                                                               |
| UniProt Entry Name               | S10AE_HUMAN                                                                                 |

**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/s100a14-antibody-immunohistochemistry-elisa/126458>