

**S100A7 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13794a****Specification**

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**S100A7 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [P31151](#)**S100A7 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 6278**Other Names**

Protein S100-A7, Psoriasin, S100 calcium-binding protein A7, S100A7, PSOR1, S100A7C

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13794a was selected from the N-term region of S100A7. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**S100A7 Antibody (N-term) Blocking peptide - Protein Information****Name** S100A7**Synonyms** PSOR1, S100A7C**Cellular Location**

Cytoplasm. Secreted. Note=Secreted by a non-classical secretory pathway

**Tissue Location**

Fetal ear, skin, and tongue and human cell lines. Highly up-regulated in psoriatic epidermis. Also highly expressed in the urine of bladder squamous cell carcinoma (SCC) bearing patients

**S100A7 Antibody (N-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**S100A7 Antibody (N-term) Blocking peptide - Images****S100A7 Antibody (N-term) Blocking peptide - Background**

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 differs from the other S100 proteins of known structure in its lack of calcium-binding ability in one EF-hand at the N-terminus. This protein is markedly over-expressed in the skin lesions of psoriatic patients, but is excluded as a candidate gene for familial psoriasis susceptibility. The exact function of this protein is not known.

**S100A7 Antibody (N-term) Blocking peptide - References**

West, N.R., et al. Oncogene 29(14):2083-2092(2010) Tieu, D.D., et al. J. Allergy Clin. Immunol. 125(3):667-675(2010) Tripathi, S.C., et al. PLoS ONE 5 (8), E11939 (2010) : Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) : West, N.R., et al. Protein Sci. 18(12):2615-2623(2009)