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# S100A7 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full length recombinant S100A7.
Catalog # AT3762a

## Product Information

| | |
|---|---|
| **Application** | WB, IF, E |
| **Primary Accession** | P31151 |
| **Other Accession** | BC034687.1 |
| **Reactivity** | Human |
| **Host** | Mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2a Kappa |
| **Clone Names** | 1C1 |
| **Calculated MW** | 11471 |

## Additional Information

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|---|---|
| **Gene ID** | 6278 |
| **Other Names** | Protein S100-A7, Psoriasin, S100 calcium-binding protein A7, S100A7, PSOR1, S100A7C |
| **Target/Specificity** | S100A7 (AAH34687.1, 1 a.a. ~ 101 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Dilution** | WB~~1:500~1000 IF~~1:50~200 E~~N/A |
| **Format** | Clear, colorless solution in phosphate buffered saline, pH 7.2 . |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Precautions** | S100A7 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures. |

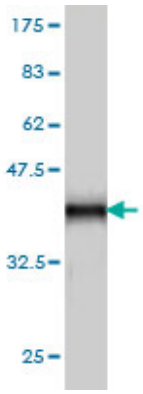
## Background

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.

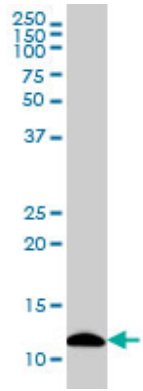
## References

Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624.Evidence for diminished levels of epithelial psoriasin and calprotectin in chronic rhinosinusitis. Tieu DD, et al. J Allergy Clin Immunol, 2010 Mar. PMID 20226301.S100A7 (psoriasin) is induced by the proinflammatory cytokines oncostatin-M and interleukin-6 in human breast cancer. West NR, et al. Oncogene, 2010 Apr 8. PMID 20101226.Structural and functional characterization of a triple mutant form of S100A7 defective for Jab1 binding. West NR, et al. Protein Sci, 2009 Dec. PMID 19844956.Identification and characterization of binding sites on S100A7, a participant in cancer and inflammation pathways. Le?n R, et al. Biochemistry, 2009 Nov 10. PMID 19810752.

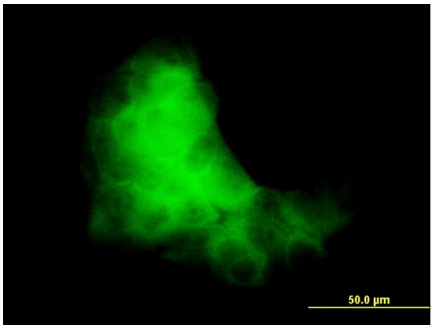
## Images




Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.85 KDa) .

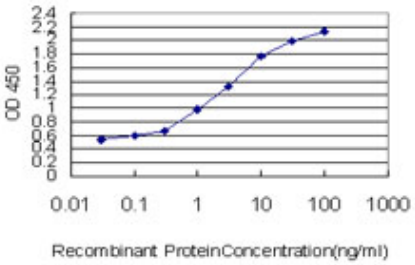



S100A7 monoclonal antibody (M03), clone 1C1 Western Blot analysis of S100A7 expression in A-431 ( (Cat # AT3762a )




Immunofluorescence of monoclonal antibody to S100A7 on A-431 cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged S100A7 is approximately 0.03ng/ml as a capture antibody.




Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.