

S100A7 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full-length recombinant S100A7.

Catalog # AT3761a

Product Information

Application	WB, IF, E
Primary Accession	P31151
Other Accession	BC034687.1
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1A4
Calculated MW	11471

Additional Information

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) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

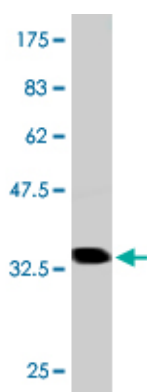
Background

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.

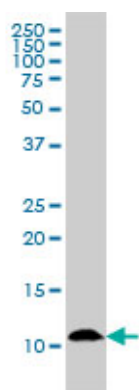
References

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.

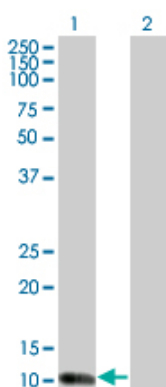
Images



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



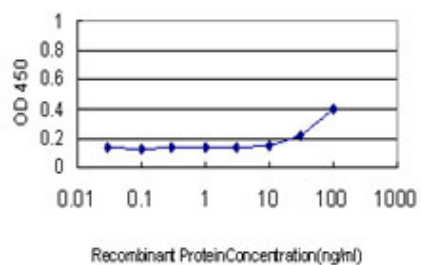
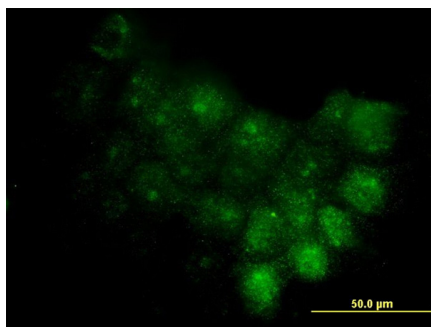
S100A7 monoclonal antibody (M02), clone 1A4 Western Blot analysis of S100A7 expression in A-431 (Cat # AT3761a)



Western Blot analysis of S100A7 expression in transfected 293T cell line by S100A7 monoclonal antibody (M02), clone 1A4.

Lane 1: S100A7 transfected lysate(11.457 KDa).
Lane 2: Non-transfected lysate.

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



Detection limit for recombinant GST tagged S100A7 is approximately 10ng/ml as a capture antibody.

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