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S100A7 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full-length recombinant S100A7.
Catalog # AT3761a

Specification

S100A7 Antibody (monoclonal) (M02) - Product Information

Application	**IF, WB, E**
Primary Accession	P31151
Other Accession	BC034687.1
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**11471**

S100A7 Antibody (monoclonal) (M02) - 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

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.

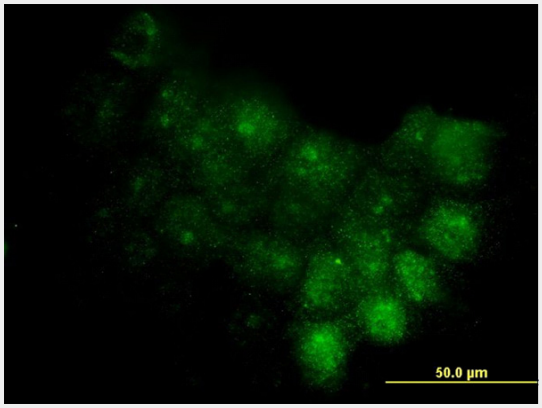
S100A7 Antibody (monoclonal) (M02) - Protocols

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

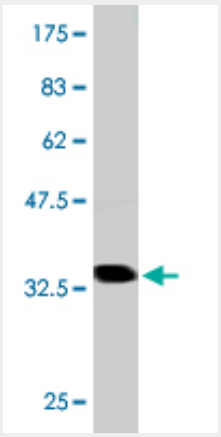
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

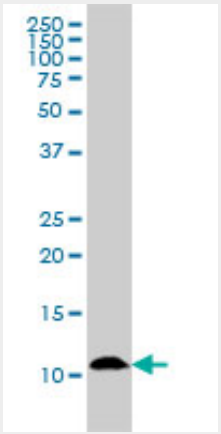
S100A7 Antibody (monoclonal) (M02) - Images



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

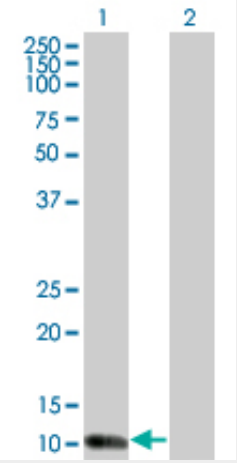


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.85 KDa) .



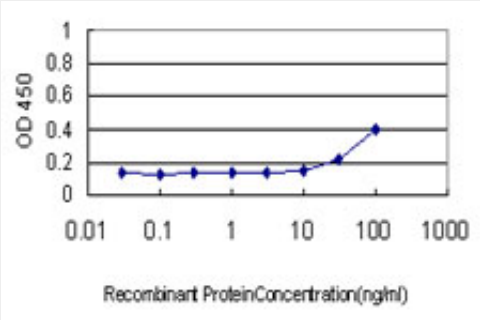
S100A7 monoclonal antibody (M02), clone 1A4 Western Blot analysis of S100A7 expression in A-431 ((Cat # AT3761a)

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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.



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

S100A7 Antibody (monoclonal) (M02) - 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 (monoclonal) (M02) - 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.