

**S100A6 Antibody (monoclonal) (M10)**

Mouse monoclonal antibody raised against a full length recombinant S100A6.

Catalog # AT3759a

**Specification****S100A6 Antibody (monoclonal) (M10) - Product Information**

|                   |                          |
|-------------------|--------------------------|
| Application       | WB, IHC, IF, E           |
| Primary Accession | <a href="#">P06703</a>   |
| Other Accession   | <a href="#">BC001431</a> |
| Reactivity        | Human                    |
| Host              | mouse                    |
| Clonality         | Monoclonal               |
| Isotype           | IgG1 Kappa               |
| Calculated MW     | 10180                    |

**S100A6 Antibody (monoclonal) (M10) - Additional Information****Gene ID 6277****Other Names**

Protein S100-A6, Calcyclin, Growth factor-inducible protein 2A9, MLN 4, Prolactin receptor-associated protein, PRA, S100 calcium-binding protein A6, S100A6, CACY

**Target/Specificity**

S100A6 (AAH01431, 1 a.a. ~ 90 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000  
IHC~~1:100~500  
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.

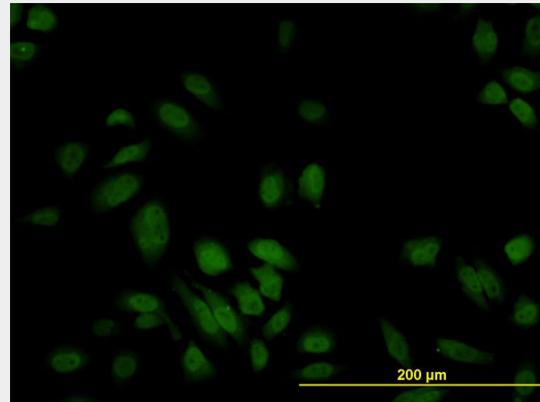
**Precautions**

S100A6 Antibody (monoclonal) (M10) is for research use only and not for use in diagnostic or therapeutic procedures.

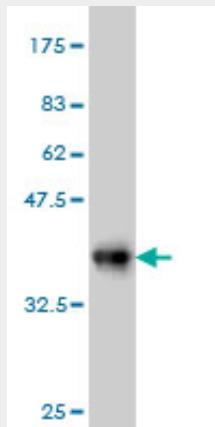
**S100A6 Antibody (monoclonal) (M10) - Protocols**

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

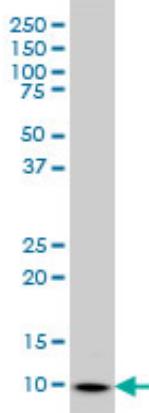
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**S100A6 Antibody (monoclonal) (M10) - Images**

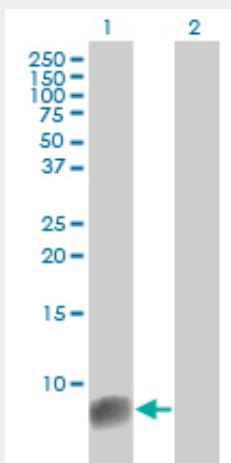
Immunofluorescence of monoclonal antibody to S100A6 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .

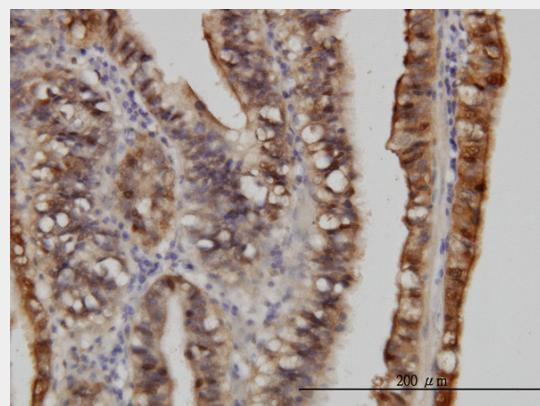


S100A6 monoclonal antibody (M10), clone 6B5 Western Blot analysis of S100A6 expression in HeLa ( (Cat # AT3759a )

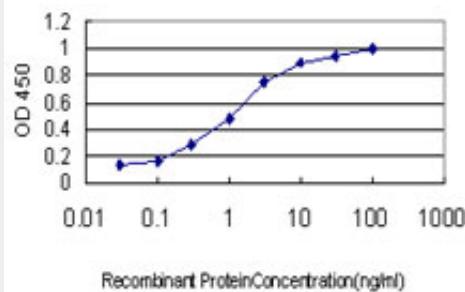


Western Blot analysis of S100A6 expression in transfected 293T cell line by S100A6 monoclonal antibody (M10), clone 6B5.

Lane 1: S100A6 transfected lysate(10.2 KDa).  
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to S100A6 on formalin-fixed paraffin-embedded human stomach carcinoma. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged S100A6 is approximately 0.03ng/ml as a capture antibody.

### **S100A6 Antibody (monoclonal) (M10) - 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 may function in stimulation of Ca<sup>2+</sup>-dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene have been implicated in melanoma.

### **S100A6 Antibody (monoclonal) (M10) - References**

1. Identification of novel molecular markers through transcriptomic analysis in human fetal and adult corneal endothelial cells. Chen Y, Huang K, Nakatsu MN, Xue Z, Deng SX, Fan G. *Hum Mol Genet.* 2013 Jan 8;22:S100A expression in normal corneal-limbal epithelial cells and ocular surface squamous cell carcinoma tissue. Li J, Riau AK, Setiawan M, Mehta JS, Ti SE, Tong L, Tan DT, Beuerman RW. *Mol Vis.* 2011;17:2263-71. Epub 2011 Aug 20.