10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

S100A6 Antibody (monoclonal) (M10)

Mouse monoclonal antibody raised against a full length recombinant S100A6.
Catalog # AT3759a

Product Information

Application	WB, IHC, IF, E
Primary Accession	P06703
Other Accession	BC001431
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	6B5
Calculated MW	10180

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.

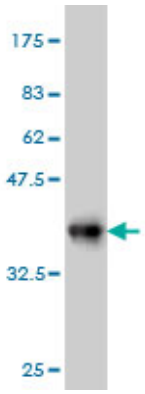
Background

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 Ca2+-dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene have been implicated in melanoma.

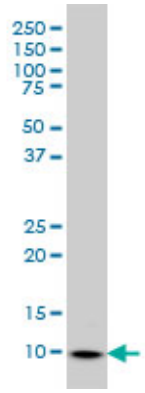
References

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 8.2.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.

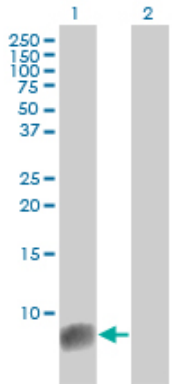
Images



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

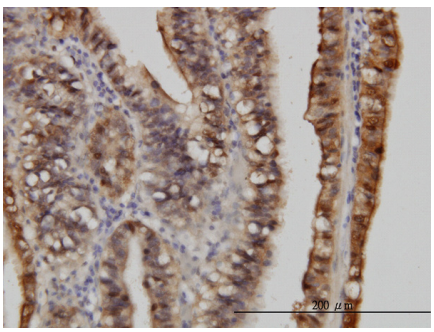


S100A6 monoclonal antibody (M10), clone 6B5 Western Blot analysis of S100A6 expression in HeLa ((Cat # AT3759a)

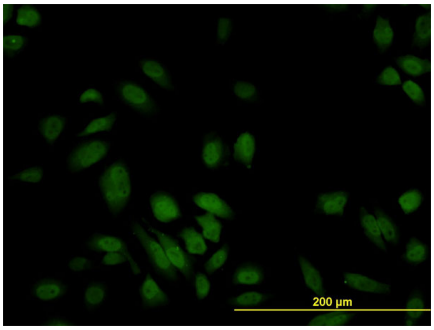


Western Blot analysis of S100A6 expression in transfected 293T cell line by S100A6 monoclonal antibody (M10), clone 6B5.

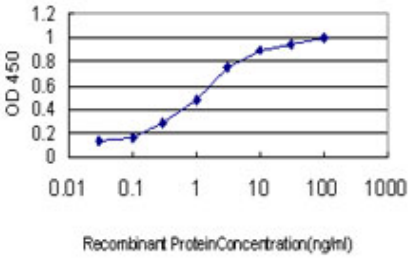
Lane 1: S100A6 transfected lysate(10.2 KDa).
Lane 2: Non-transfected lysate.



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



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



Detection limit for recombinant GST tagged S100A6 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'.