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S100A6 Antibody (monoclonal) (M16)

Mouse monoclonal antibody raised against a partial recombinant S100A6.
Catalog # AT3760a

Specification

S100A6 Antibody (monoclonal) (M16) - Product Information

Application	**WB, E**
Primary Accession	P06703
Other Accession	NM_014624
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**10180**

S100A6 Antibody (monoclonal) (M16) - 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 (NP_055439, 18 a.a. ~ 90 a.a) partial 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
S100A6 Antibody (monoclonal) (M16) is for research use only and not for use in diagnostic or therapeutic procedures.

S100A6 Antibody (monoclonal) (M16) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

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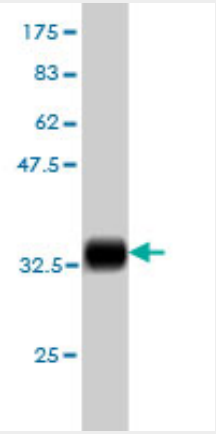
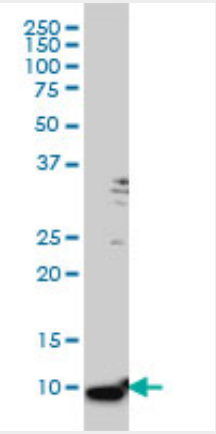
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

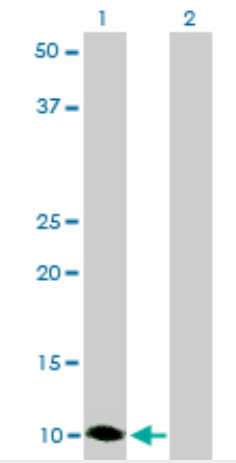
S100A6 Antibody (monoclonal) (M16) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (33.77 KDa) .



S100A6 monoclonal antibody (M16), clone 6D1 Western Blot analysis of S100A6 expression in HeLa ((Cat # AT3760a)



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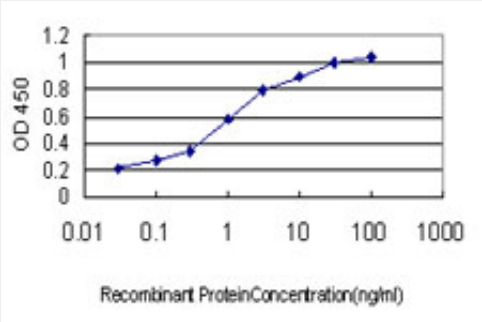
Western Blot analysis of S100A6 expression in transfected 293T cell line by S100A6 monoclonal antibody (M16), clone 6D1.

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



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

S100A6 Antibody (monoclonal) (M16) - 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.

S100A6 Antibody (monoclonal) (M16) - References

1.Cancer-Initiating Cells from Colorectal Cancer Patients Escape from T Cell-Mediated Immunosurveillance In Vitro through Membrane-Bound IL-4.Volonte A, Di Tomaso T, Spinelli M, Todaro M, Sanvito F, Albarello L, Bissolati M, Ghirardelli L, Orsenigo E, Ferrone S, Doglioni C, Stassi G, Dellabona P, Staudacher C, Parmiani G, Maccalli CJ Immunol. 2013 Nov 25.2.S100A6 Overexpression Associates with Poor Prognosis and Is Epigenetically Up-Regulated in Gastric Cancer.Wang XH, Zhang LH, Zhong XY, Xing XF, Liu YQ, Niu ZJ, Peng Y, Du H, Zhang GG, Hu Y, Liu N, Zhu YB, Ge SH, Zhao W, Lu AP, Li JY, Ji JF.Am J Pathol. 2010 Jun 25. [Epub ahead of print]3.Immunobiological Characterization of Cancer Stem Cells Isolated from Glioblastoma Patients.Di Tomaso T, Mazzoleni S, Wang E, Sovena G, Clavenna D, Franzin A, Mortini P, Ferrone S, Doglioni C, Marincola FM, Galli R, Parmiani G, Maccalli C.Clin Cancer Res. 2010 Feb 1;16(3):800-13. Epub 2010 Jan 26.