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S100A6 Antibody (monoclonal) (M16)

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

Product Information

Application	WB, E
Primary Accession	P06703
Other Accession	NM_014624
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	6D1
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 (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 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) (M16) is for research use only and not for use in diagnostic or therapeutic procedures.

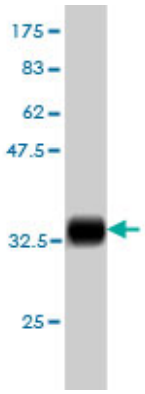
Background

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.

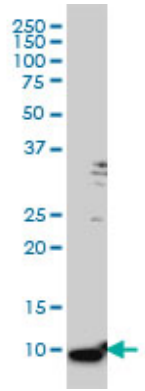
References

1.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.

Images



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



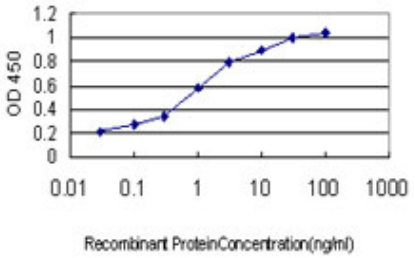
S100A6 monoclonal antibody (M16), clone 6D1 Western Blot analysis of S100A6 expression in HeLa ((Cat # AT3760a)



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.



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