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

S100A1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant S100A1.
Catalog # AT3750a

Product Information

Application	WB, E
Primary Accession	P23297
Other Accession	NM_006271
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	1D5
Calculated MW	10546

Additional Information

Gene ID	6271
Other Names	Protein S100-A1, S-100 protein alpha chain, S-100 protein subunit alpha, S100 calcium-binding protein A1, S100A1, S100A
Target/Specificity	S100A1 (NP_006262, 1 a.a. ~ 75 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	S100A1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

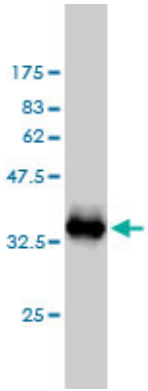
Background

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+-induced Ca2+ release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies.

References

1.FISH Scoring on Paraffin Sections Versus Single-cell Suspension for Chromophobe Renal Carcinoma and Renal Oncocytoma.Brunelli M, Segala D, Delahunt B, Parolini C, Bersani S, Cheng L, Eble JN, Chilosi M, Gobbo S, Martignoni G.Anticancer Res. 2011 Oct;31(10):3137-42.

Images

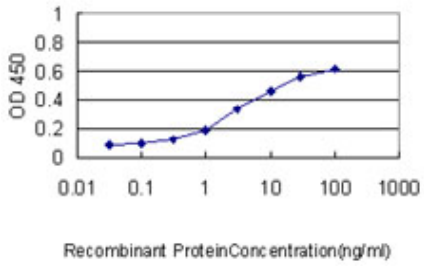


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (33.99 KDa) .



Western Blot analysis of S100A1 expression in transfected 293T cell line by S100A1 monoclonal antibody (M01), clone 1D5.

Lane 1: S100A1 transfected lysate(10.5 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged S100A1 is approximately 0.3ng/ml as a capture antibody.

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