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S100A2 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full length recombinant S100A2.
Catalog # AT3754a

Product Information

Application	WB, IF, E
Primary Accession	P29034
Other Accession	BC002829
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3H8
Calculated MW	11117

Additional Information

Gene ID	6273
Other Names	Protein S100-A2, CAN19, Protein S-100L, S100 calcium-binding protein A2, S100A2, S100L
Target/Specificity	S100A2 (AAH02829, 1 a.a. ~ 97 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	S100A2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

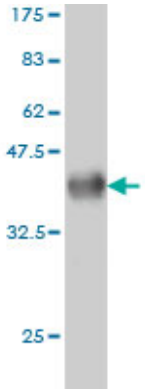
Background

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 have a tumor suppressor function. Chromosomal rearrangements and altered expression of this gene have been implicated in breast cancer.

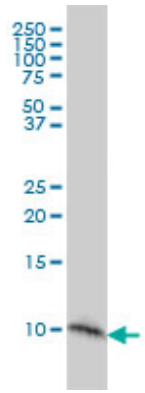
References

An approach based on a genome-wide association study reveals candidate loci for narcolepsy. Shimada M, et al. Hum Genet, 2010 Oct. PMID 20677014.S100 proteins interact with the N-terminal domain of MDM2. van Dieck J, et al. FEBS Lett, 2010 Aug 4. PMID 20591429.Expression and clinical significance of S100A2 and p63 in esophageal carcinoma. Cao LY, et al. World J Gastroenterol, 2009 Sep 7. PMID 19725154.Variation in genes of the epidermal differentiation complex in German atopic dermatitis patients. Stemmler S, et al. Int J Immunogenet, 2009 Aug. PMID 19601998.Expression of S100A2 calcium-binding protein predicts response to pancreatectomy for pancreatic cancer. Biankin AV, et al. Gastroenterology, 2009 Aug. PMID 19376121.

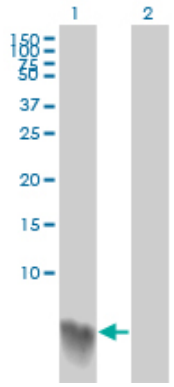
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.41 KDa) .

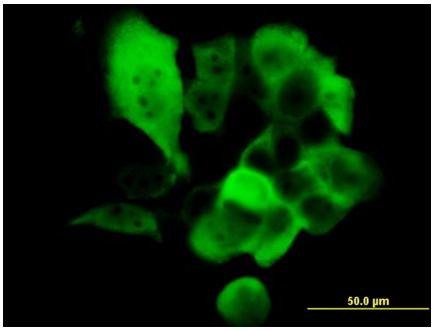


S100A2 monoclonal antibody (M03), clone 3H8 Western Blot analysis of S100A2 expression in A-431 ((Cat # AT3754a)

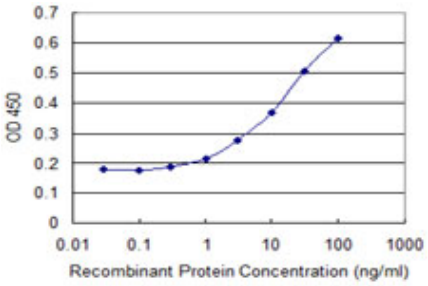


Western Blot analysis of S100A2 expression in transfected 293T cell line by S100A2 monoclonal antibody (M03), clone 3H8.

Lane 1: S100A2 transfected lysate(11 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to S100A2 on A-431 cell. [antibody concentration 15 ug/ml]



Detection limit for recombinant GST tagged S100A2 is 0.3 ng/ml as a capture antibody.

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