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S100A8 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant S100A8.
Catalog # AT3763a

Product Information

Application	WB
Primary Accession	P05109
Other Accession	BC005928
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2H2
Calculated MW	10835

Additional Information

Gene ID	6279
Other Names	Protein S100-A8, Calgranulin-A, Calprotectin L1L subunit, Cystic fibrosis antigen, CFAG, Leukocyte L1 complex light chain, Migration inhibitory factor-related protein 8, MRP-8, p8, S100 calcium-binding protein A8, Urinary stone protein band A, Protein S100-A8, N-terminally processed, S100A8, CAGA, CFAG, MRP8
Target/Specificity	S100A8 (AAH05928.1, 1 a.a. ~ 93 a.a) full-length 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	S100A8 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

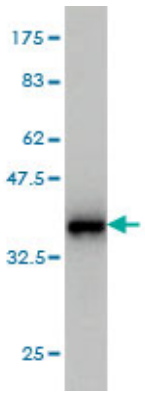
Background

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 the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis.

References

iPLA2, a novel determinant in Ca2+- and phosphorylation-dependent S100A8/A9 regulated NOX2 activity. Schenten V, et al. Biochim Biophys Acta, 2010 Jul. PMID 20219570.Evaluation of calprotectin level in intestinal content as an early marker for graft rejection. Cagnola H, et al. Transplant Proc, 2010 Jan-Feb. PMID 20172281.S100A8/A9 induces autophagy and apoptosis via ROS-mediated cross-talk between mitochondria and lysosomes that involves BNIP3. Ghavami S, et al. Cell Res, 2010 Mar. PMID 19935772.S100A8/A9: a mediator of severe asthma pathogenesis and morbidity? Halayko AJ, et al. Can J Physiol Pharmacol, 2009 Oct. PMID 19898558.Calprotectin--a novel marker of obesity. Mortensen OH, et al. PLoS One, 2009 Oct 12. PMID 19823685.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.97 KDa) .

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