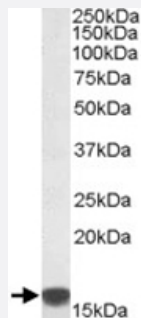


S100A9 polyclonal antibody

Catalog # PAB11470

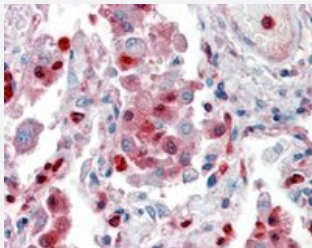
Size 100 ug

Applications



Western Blot (Cell lysate)

S100A9 polyclonal antibody (Cat # PAB11470) (0.5 ug/mL) staining of human peripheral blood mononucleocytes (PBMCs) lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

S100A9 polyclonal antibody (Cat # PAB11470) (2.5 ug/mL) staining of paraffin embedded human lung. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of S100A9.
Immunogen	A synthetic peptide corresponding to human S100A9.
Sequence	C-DTNADKQLSFEEF
Host	Goat
Theoretical MW (kDa)	13.2
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:8000) Western Blot (0.3-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — S100A9

Entrez GeneID	6280
Protein Accession#	NP_002956.1
Gene Name	S100A9
Gene Alias	60B8AG, CAGB, CFAG, CGLB, L1AG, LIAG, MAC387, MIF, MRP14, NIF, P14
Gene Description	S100 calcium binding protein A9
Omim ID	123886

Gene Ontology

[Hyperlink](#)

Gene Summary

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 altered expression of this protein is associated with the disease cystic fibrosis. [provided by RefSeq]

Other Designations

OTTHUMP00000015331|S100 calcium-binding protein A9|S100 calcium-binding protein A9 (calgranulin B)|calgranulin B

Publication Reference

- [Alarmins in Frozen Shoulder: A Molecular Association Between Inflammation and Pain.](#)

Cher JZB, Akbar M, Kitson S, Crowe LAN, Garcia-Melchor E, Hannah SC, McLean M, Fazzi UG, Kerr SC, Murrell GAC, L Millar N.

The American Journal of Sports Medicine 2017 Nov; 1:3635465177.

Application: IHC-P, Human, Shoulder capsule samples from patients with primary frozen shoulders who were receiving arthroscopic capsular releases

- [Methods for predicting rheumatoid arthritis treatment response.](#)

Olivier Vittecoq, Thierry Lequerre, Pascal Cosette, Olivier Boyer, Xavier Le Loet, Julie Hardouin, Antoine Obry.

United States Patent Application Publication 2016 May; [Epub].

Application: ELISA, Human, Serum

- [Metal chelation and inhibition of bacterial growth in tissue abscesses.](#)

Corbin BD, Seeley EH, Raab A, Feldmann J, Miller MR, Torres VJ, Anderson KL, Dattilo BM, Dunman PM, Gerads R, Caprioli RM, Nacken W, Chazin WJ, Skaar EP.

Science 2008 Feb; 319(5865):962.

Application: IHC, Mouse , Mouse kidney

- [S100A8 and S100A9 in human arterial wall. Implications for atherogenesis.](#)

McCormick MM, Rahimi F, Bobryshev YV, Gaus K, Zreiqat H, Cai H, Lord RS, Geczy CL.

The Journal of Biological Chemistry 2005 Dec; 280(50):41521.

Application: IHC, WB, Human, Aortic, Carotid specimens

Disease

- [Dermatitis](#)

- [Genetic Predisposition to Disease](#)
- [Kidney Calculi](#)