

Goat S100A9 / MRP14 Polyclonal Antibody | anti-S100A9 antibody

Goat Polyclonal to Human S100A9 / MRP14

CATALOG # AAA50999	HOST Goat	APPLICATIONS ELISA, Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

S100A9 / MRP14; Polyclonal Antibody; Goat Polyclonal to Human S100A9 / MRP14; Anti-S100A9 / MRP14 Antibody (Internal) IHC-plus; S100A9; 60B8AG; Calgranulin B; CFAG; CAGB; Calgranulin-B; Calprotectin L1H subunit; CGLB; L1Ag; MRP14; NIF; p14; Protein S100-A9; LIAG; MAC387; MRP-14; Human S100A9; anti-S100A9 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Clonality	Polyclonal
Specificity	Human S100A9.
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	114
Applicable Applications for anti-S100A9 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Epitope	aa67-79
Immunogen	S100A9 / MRP14 was raised against peptide with sequence C-DTNADKQLSFEEF, from the internal region of the protein sequence according to NP_002956.1.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

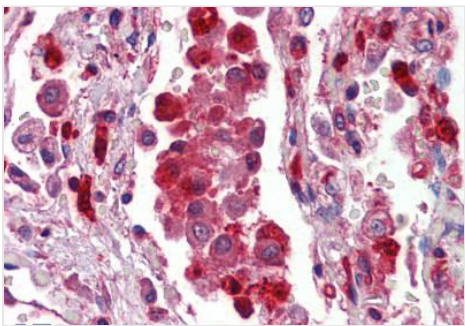
Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.

IMAGES



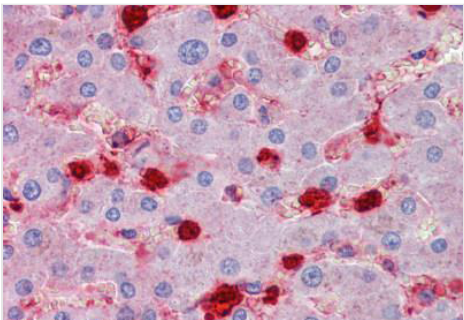
WB (Western Blot)

Antibody (0.5 ug/ml) staining of Human Peripheral Mononucleocytes lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)

Anti-S100A9 / MRP14 antibody IHC of human lung. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2.5 ug/ml.



IHC (Immunohistochemistry)

Anti-S100A9 / MRP14 antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2.5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-S100A9 antibody

Immunohistochemistry: MBS242631 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for MBS242631 was determined to be 2.5 ug/ml. Peptide ELISA: antibody detection limit dilution 1:8000. Western Blot: Approx 16kD band observed in Human Peripheral Mononucleocytes lysates (calculated MW of 13.2kD according to NP_002956.1). The observed molecular weight corresponds to earlier findings (~15kD) in literature with different antibodies (McCormick et al, Biol Chem. 2005 Dec 16;280(50):41521-9.; PMID: 16216873). Recommended concentration: 0.3-1 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506773
NCBI GeneID	6280
NCBI Accession #	NP_002956.1
NCBI GenBank Nucleotide #	NM_002965.3
UniProt Accession #	P06702; Q6FGA1; Q9NYM0; Q9UCJ1; D3DV36
NCBI Official Full Name	protein S100-A9
NCBI Official Synonym Full Names	S100 calcium binding protein A9
NCBI Official Symbol	S100A9

NCBI Official Synonym Symbols	MIF; NIF; P14; CAGB; CFAG; CGLB; L1AG; LIAG; MRP14; 60B8AG; MAC387
NCBI Protein Information	protein S100-A9; MRP-14; calgranulin B; calgranulin-B; calprotectin L1H subunit; leukocyte L1 complex heavy chain; migration inhibitory factor-related protein 14; S100 calcium-binding protein A9 (calgranulin B)
UniProt Protein Name	Protein S100-A9
UniProt Gene Name	S100A9
UniProt Synonym Gene Names	CAGB; CFAG; MRP14; MRP-14; p14
UniProt Entry Name	S10A9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/s100a9-mrp14-antibody-western-blot-immunohistochemistry-elisa/50999>