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EB09146 - Goat Anti-S100A9 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: S100A9, S100 calcium binding protein A9, 60B8AG, CAGB, CFAG, CGLB, L1AG, LIAG, MAC387, MIF, MRP14, NIF, P14, S100 calcium binding protein A9 (calgranulin B), S100 calcium-binding protein A9, S100 calcium-binding protein A9 (calgranulin B), calgranulin B
Official Symbol: S100A9
Accession Number(s): NP_002956.1
Human GeneID(s): 6280

Immunogen

Peptide with sequence C-DTNADKQLSFEEF , from the internal region of the protein sequence according to NP_002956.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.
Western blot: Approx 13-14kDa band observed in Human Bone Marrow lysates and approx 14-15kDa in Human Gastrointestinal cancer lysates (calculated MW of 13.2kDa according to NP_002956.1). Recommended concentration: 0.5-2µg/ml. Primary incubation 1 hour at room temperature.
IHC: Paraffin embedded Human Lung. Recommended concentration: 2-4µg/ml. Paraffin embedded Human Spleen. Recommended concentration: 6-7µg/ml.

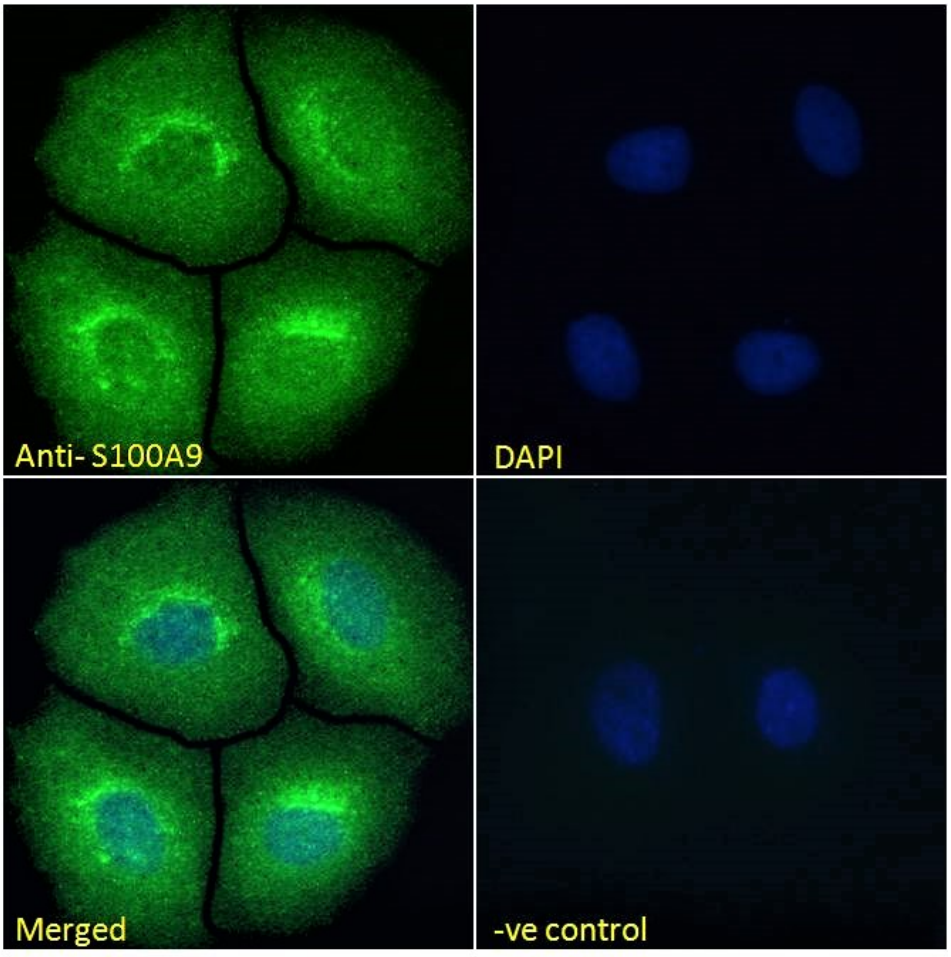
Immunofluorescence: Strong expression of the protein seen in the cytoplasm and nuclei of MCF7, U2OS and THP-1 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended concentration: 10ug/ml.

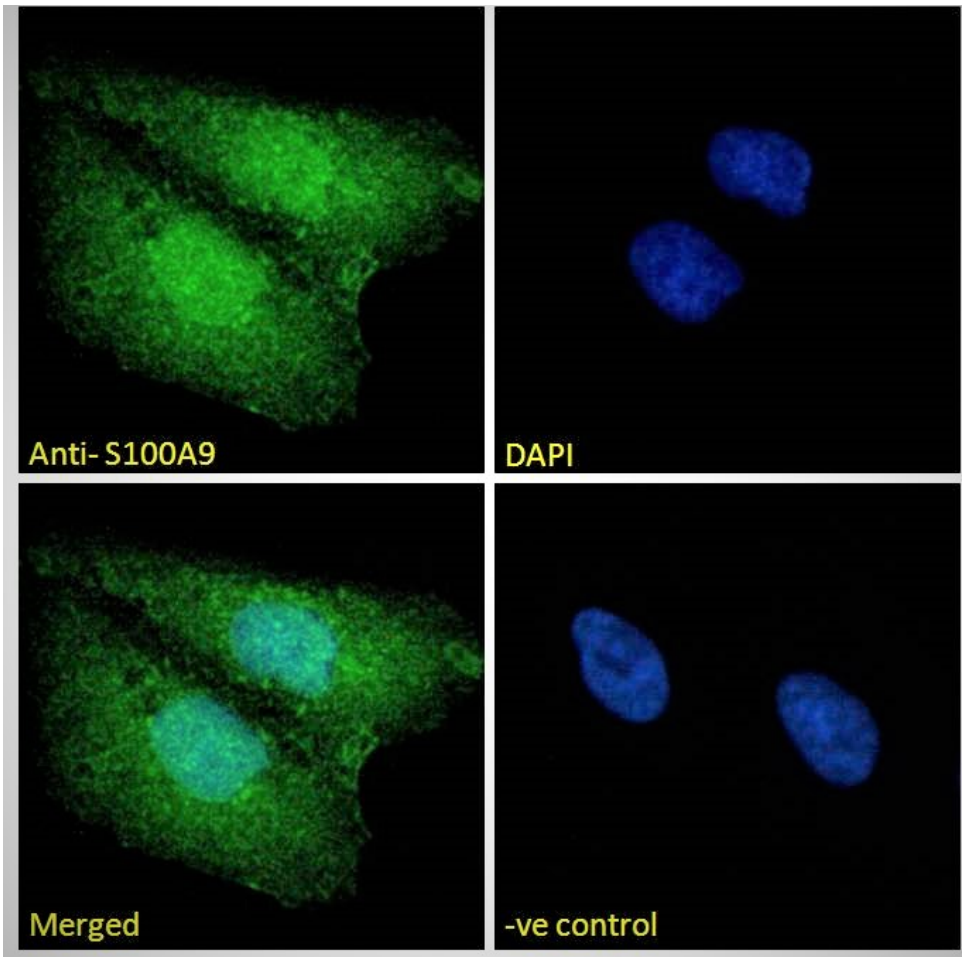
Species Reactivity

Tested: Human
Expected from sequence similarity: Human

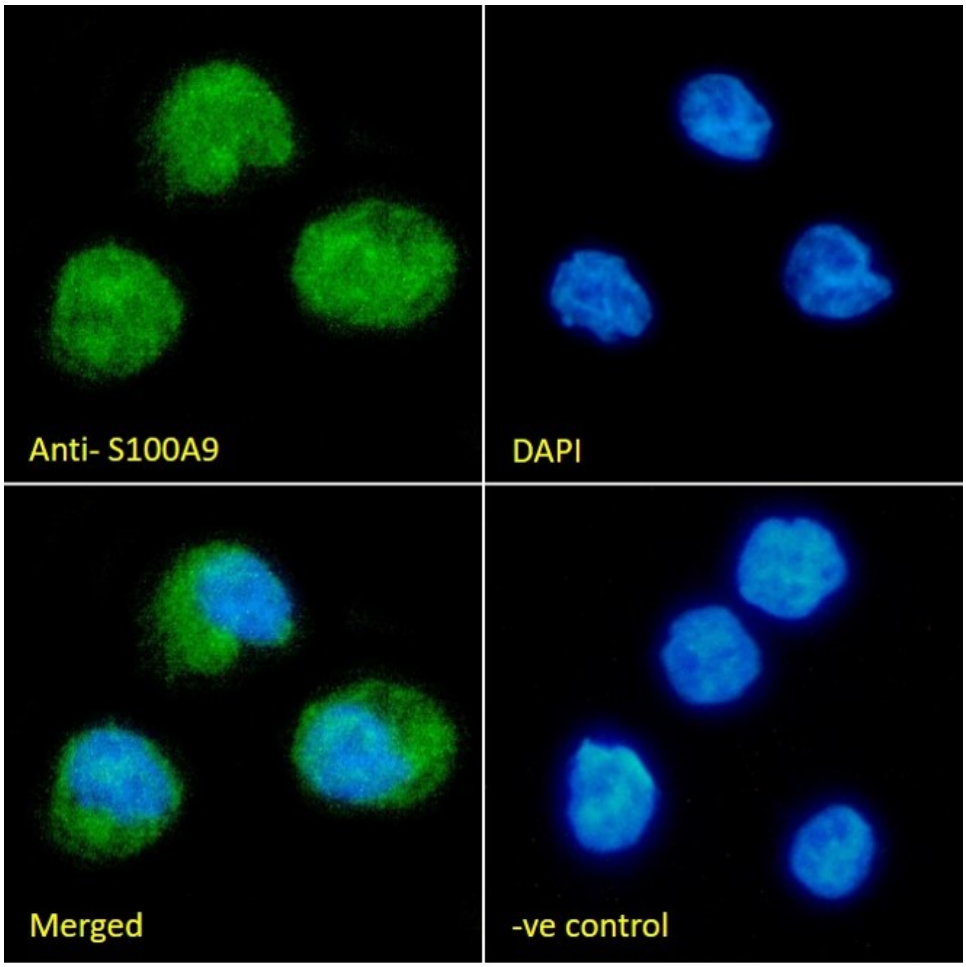
EB09146 (1µg/ml) staining of Human Bone Marrow (A) and (0.5µg/ml) Gastrointestinal cancer (B) lysate and negative control HepG2 (C) lysate. 5µg protein in RIPA buffer). Detected by chemiluminescence.



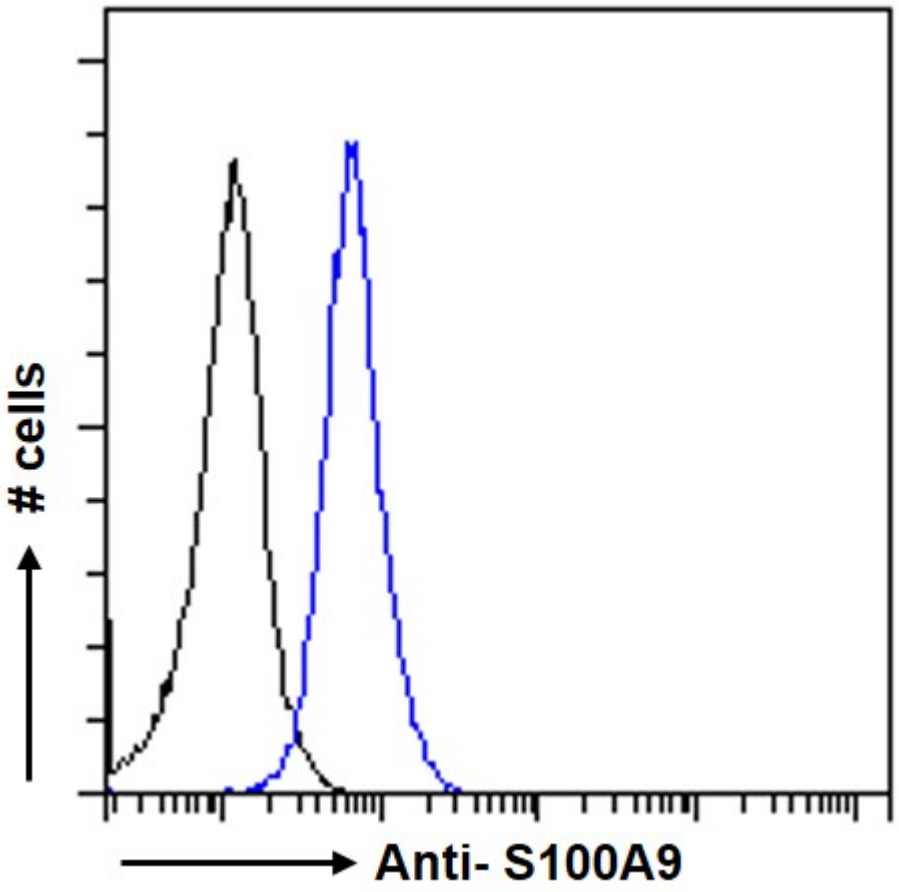
EB09146 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



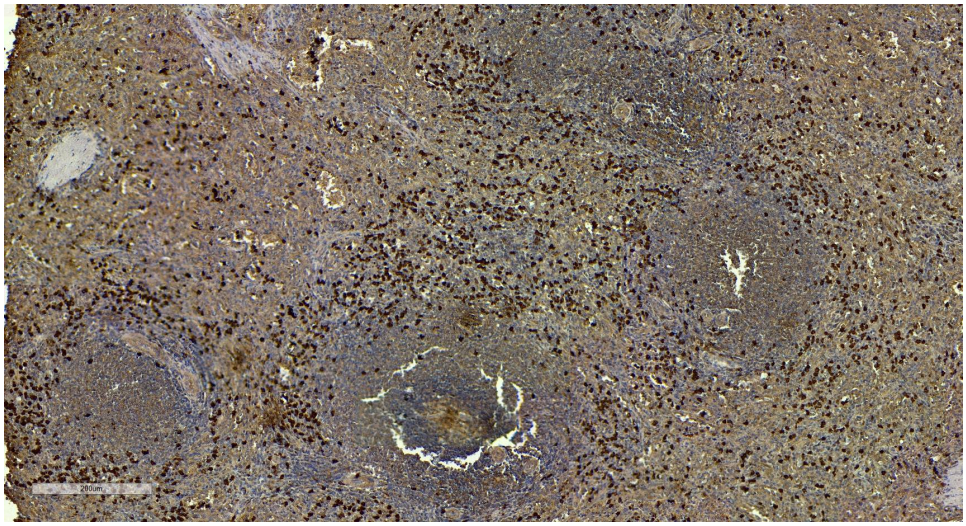
EB09146 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



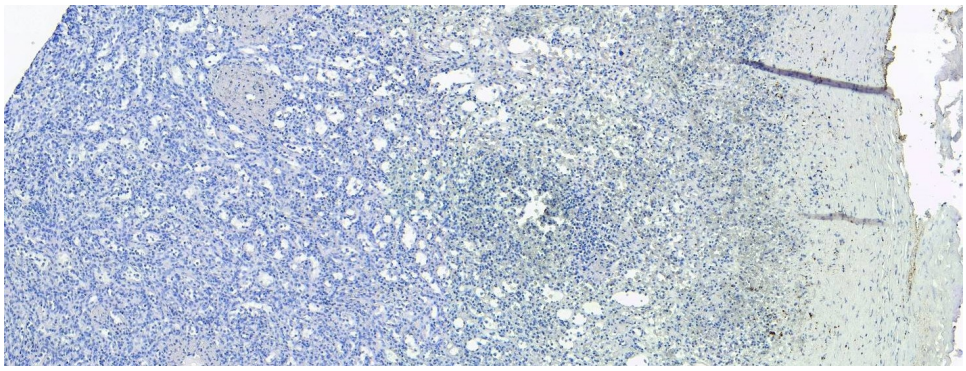
EB09146 Immunofluorescence analysis of paraformaldehyde fixed THP-1 cells immobilized on ShifixTM coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



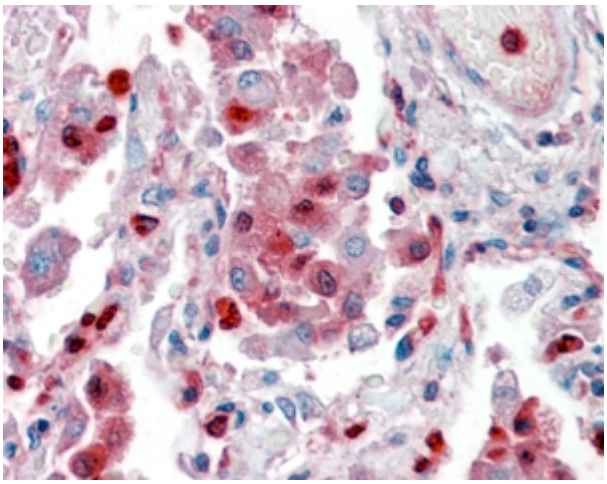
EB09146 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB09146 (7µg/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB09146 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.



EB09146 (2.5µg/ml) staining of paraffin embedded Human Lung. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.