Product Datasheet

S100A9 Antibody [142Nd]
NBP1-18843

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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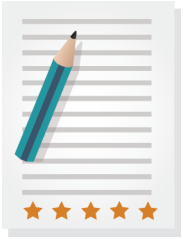
Updated 10/23/2024 v.20.1



NBP1-18843

S100A9 Antibody [142Nd]

Product Information

Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Conjugate	142Nd
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	13 kDa

Product Description

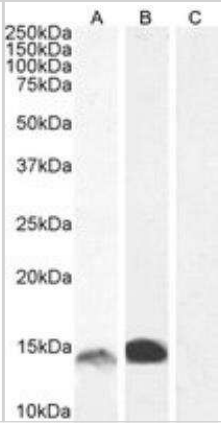
Host	Goat
Gene ID	6280
Gene Symbol	S100A9
Species	Human
Immunogen	This S100A9 antibody was developed against a peptide with sequence C-DTNADKQLSFEEF corresponding to internal region according to NP_002956.1.

Product Application Details

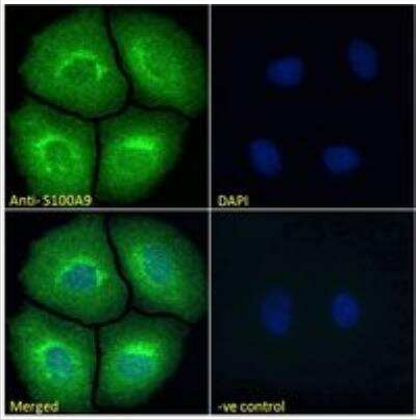
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.5 - 2 ug/mL, Flow Cytometry 10 ug/mL, ELISA Detection limit 1:8000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin
Application Notes	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). IHC: Paraffin embedded Human Lung. Recommended concentration: 2-4 ug/ml. Paraffin embedded Human Spleen. Recommended concentration: 6-7 ug/ml.

Images

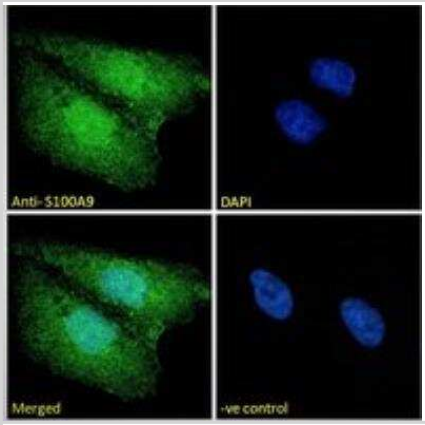
Western Blot: S100A9 Antibody [NBP1-18843] - Staining of Human Bone Marrow (A) with antibody at 1 ug/mL and Gastrointestinal cancer (B) lysate with antibody at 0.5 ug/mL and negative control HepG2 (C) lysate. 5 ug protein in RIPA buffer. Detected by chemiluminescence.



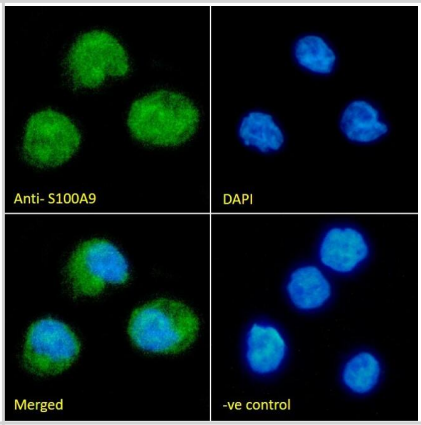
Immunocytochemistry/Immunofluorescence: S100A9 Antibody [NBP1-18843] - Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



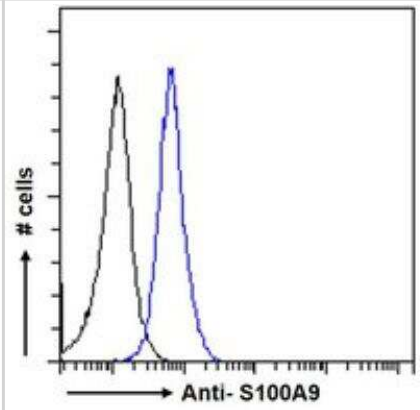
Immunocytochemistry/Immunofluorescence: S100A9 Antibody [NBP1-18843] - Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).

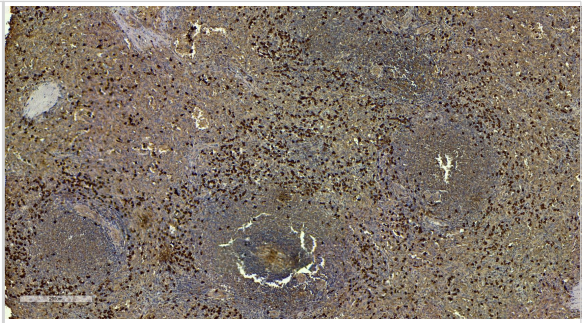
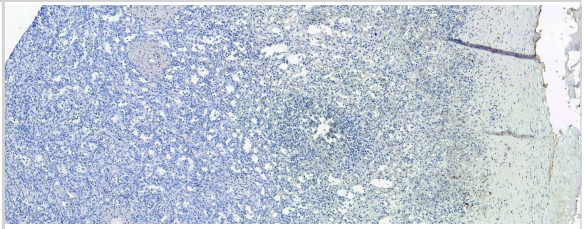
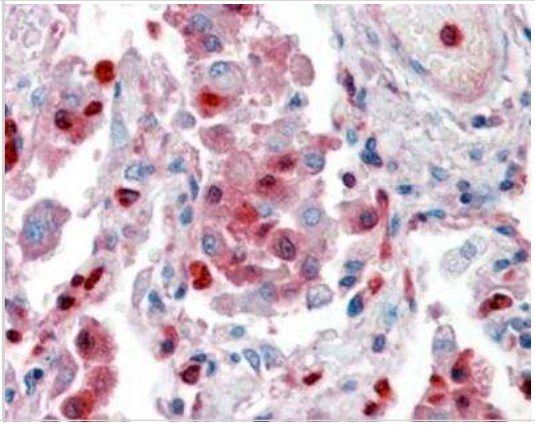


Immunocytochemistry/Immunofluorescence: Goat Polyclonal S100A9 Antibody [NBP1-18843] - Immunofluorescence analysis of paraformaldehyde fixed THP-1 cells immobilized on ShifixTM coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (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).



Flow Cytometry: S100A9 Antibody [NBP1-18843] - Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunohistochemistry-Paraffin: Goat Polyclonal S100A9 Antibody [NBP1-18843] - (7µg/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.	
Control: Goat Polyclonal S100A9 Antibody [NBP1-18843] - Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.	
Immunohistochemistry-Paraffin: S100A9 Antibody [NBP1-18843] - Staining of paraffin embedded human lung. Antibody at 2.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.	

Publications

Corbin BD, Seeley EH, Raab A et al. Metal chelation and inhibition of bacterial growth in tissue abscesses. Science 2008-02-15 [PMID: 18276893]

McCormick MM, Rahimi F, Bobryshev YV et al. S100A8 and S100A9 in human arterial wall. Implications for atherogenesis. J Biol Chem 2005-12-01 [PMID: 16216873]

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M6000B-1	IL-6 [HRP]

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