

For Research Use Only

S100A9 Recombinant antibody

Catalog Number: 83578-2-RR



Basic Information

Catalog Number: 83578-2-RR	GenBank Accession Number: BC047681	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6280	CloneNo.: 240539G9
Source: Rabbit	UNIPROT ID: P06702	Recommended Dilutions: WB 1:2000-1:10000 IF/ICC 1:50-1:500
Isotype: IgG	Full Name: S100 calcium binding protein A9	
Immunogen Catalog Number: AG25764	Calculated MW: 13 kDa	
	Observed MW: 14 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : MCF-7 cells, THP-1 cells, HL-60 cells IF/ICC : A549 cells, HeLa cells
Species Specificity: human	

Background Information

S100A9 is a calcium binding protein as a member of the S100 family of proteins. S100 proteins are low molecular weight (9 to 14 kDa) intracellular calcium-binding proteins that control key cellular pathways including regulation of the cytoskeleton, cell migration and adhesion, and host oxidative defense. S100A9 may exist as a homodimer, heterodimer with an S100A8 partner (S100A8/A9), or as a heterotetramer with an S100A8 partner (S100A8/A9). S100A8 and S100A9 are found intracellularly in granulocytes, monocytes, and early differentiation stages of macrophages.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

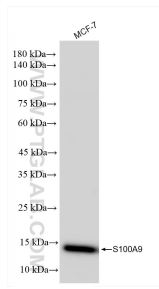
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

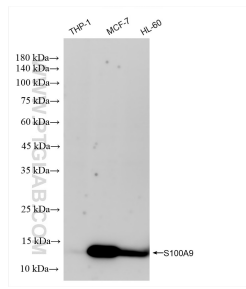
E: proteintech@ptglab.com
W: ptglab.com

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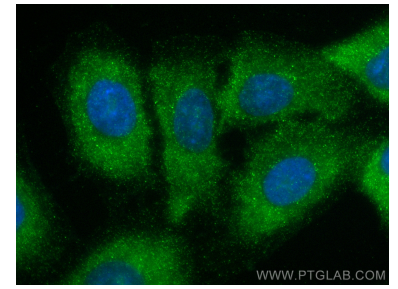
Selected Validation Data



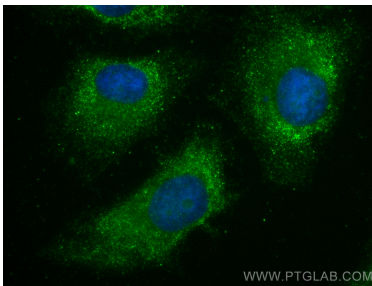
MCF-7 cells were subjected to SDS PAGE followed by western blot with 83578-2-RR (S100A9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



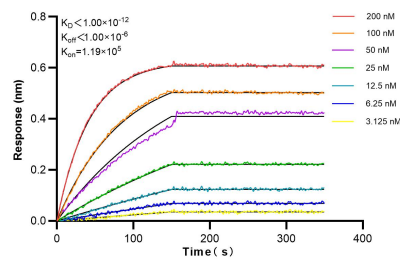
Various lysates were subjected to SDS PAGE followed by western blot with 83578-2-RR (S100A9 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using S100A9 antibody (83578-2-RR, Clone: 240539G9) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using S100A9 antibody (83578-2-RR, Clone: 240539G9) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



Biolayer interferometry (BLI) kinetic assays of 83578-2-RR against Human S100A9 were performed. The affinity constant is below 1 pM.