

Recombinant S100A9 Monoclonal Antibody

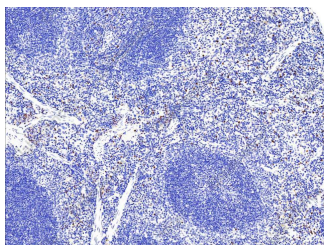
catalog number: **AN300081P**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

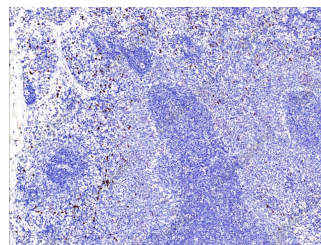
Description	
Reactivity	Mouse;Rat
Immunogen	Recombinant Human S100A9 Protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C410061
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications	Recommended Dilution
WB:	1:1000; IHC-P: 1:200-1:500; ICC/IF: 1:500-1:1000; FC: 1:200-1:500

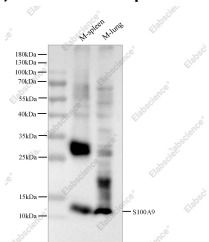
Data



Immunohistochemical analysis of paraffin-embedded Mouse spleen tissue sections using S100A9 Antibody (AN300081P) at a dilution of 1:300 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



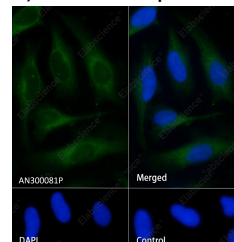
Immunohistochemical analysis of paraffin-embedded Rat spleen tissue sections using S100A9 Antibody (AN300081P) at a dilution of 1:300 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Western blot analysis of Mouse spleen and Mouse lung cell lysates using S100A9 Antibody (AN300081P) at a dilution of 1:1000.

Observed-MW:13 kDa

Calculated-MW:13 kDa



Immunofluorescence analysis of HeLa cells labelling S100A9. Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

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Rev. V1.6

S100A9 is a calcium- and zinc-binding protein which plays a prominent role in the regulation of inflammatory processes and immune response. It can induce neutrophil chemotaxis, adhesion, can increase the bactericidal activity of neutrophils by promoting phagocytosis via activation of SYK, PI3K/AKT, and ERK1/2 and can induce degranulation of neutrophils by a MAPK-dependent mechanism. Predominantly found as calprotectin (S100A8/A9) which has a wide plethora of intra- and extracellular functions.