

## Product datasheet for **AP22585PU-N**

### **S100A9 (67-79) Goat Polyclonal Antibody**

#### **Product data:**

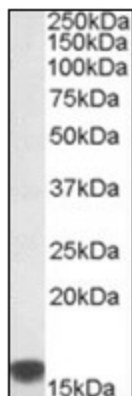
Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/8000, 0.3 - 1 µg/ml. <b>Immunohistochemistry on Paraffin Sections:</b> 2.5 µg/ml. <b>Western Blot:</b> 0.3 - 1 µg/ml.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from an internal region of human S100A9 (NP_002956.1)
Specificity:	This antibody detects S100A9 / Calgranulin-B / MRP14 (Internal).
Formulation:	Tris saline, pH 7.3 containing 0.02% sodium azide as preservative and 0.5% BSA as stabilizer State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	S100 calcium binding protein A9
Database Link:	<a href="#">Entrez Gene 6280 Human P06702</a>
Background:	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.



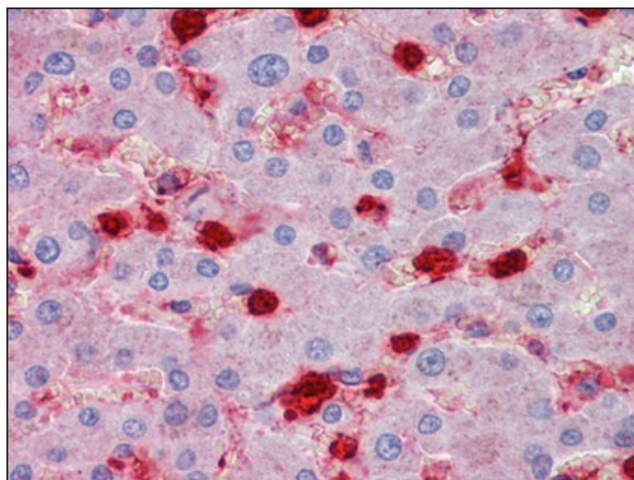
[View online »](#)

Synonyms: S100-A9, CAGB, MRP-14

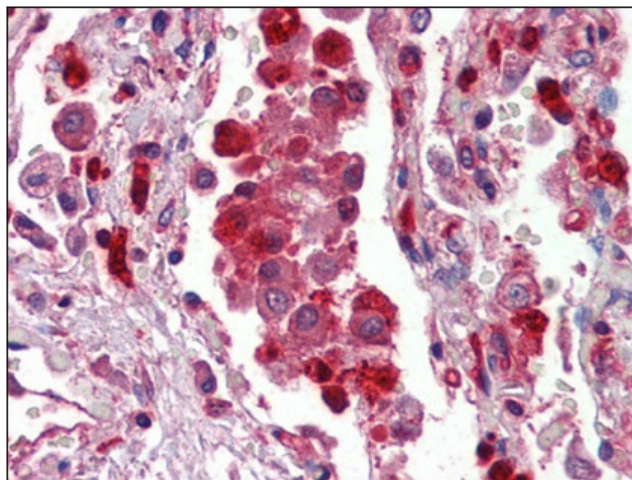
### Product images:



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



Human Liver (formalin-fixed, paraffin-embedded) stained with S100A9 antibody followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Lung (formalin-fixed, paraffin-embedded) stained with S100A9 antibody followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.