



Datasheet for ABIN6940551 anti-S100A9 antibody



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	S100A9
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This S100A9 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human CAGB protein
Clone:	CAGB-426
Isotype:	IgM kappa
Specificity:	Recognizes a 12-14 kDa doublet of Calgranulin A/B (also known as S100A8/A9 or MRP-8/14), expressed by granulocytes, monocytes and by tissue macrophages. The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. Altered expression of this protein is associated with the disease cystic fibrosis. This MAbs reacts with neutrophils, monocytes, macrophages, and squamous mucosal epithelia and has been shown as an important marker for identifying macrophages in tissue sections.

Target Details

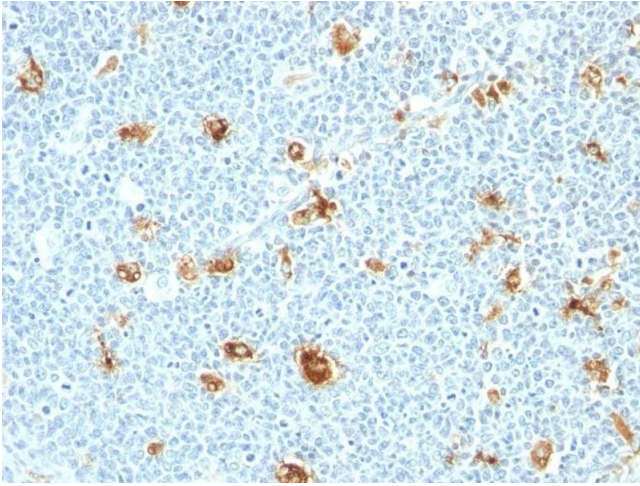
Target:	S100A9
Alternative Name:	S100A9 (S100A9 Products)
Molecular Weight:	14kDa
Gene ID:	6280
UniProt:	P06702
Pathways:	Transition Metal Ion Homeostasis, Positive Regulation of Endopeptidase Activity, S100 Proteins

Application Details

Application Notes:	Positive Control: Tonsil, lymph node or spleen. Known Application: Immunohistochemistry (Formalin-fixed. Not suitable for frozen tissues.) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human tonsil stained with Calgranulin B Monoclonal Antibody (CAGB/426)