

Rabbit anti-Human S100A8 Polyclonal Antibody | anti-S100A8 antibody

Anti-S100A8 Antibody, Rabbit Polyclonal

CATALOG # AAA256444	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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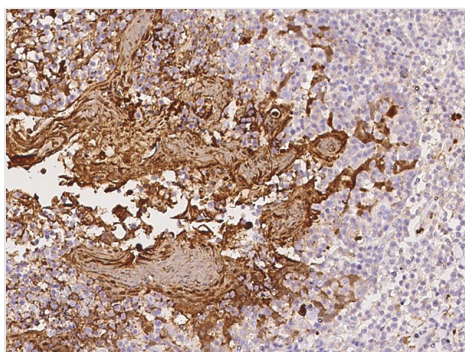
PRODUCT SYNONYMS

S100A8; Polyclonal Antibody; Anti-S100A8 Antibody; Rabbit Polyclonal; S100A8 Antibody; Rabbit PAb; Antigen Affinity Purified; S100 calcium binding protein A8; Anti-60B8AG Antibody; Anti-CAGA Antibody; Anti-CFAG Antibody; Anti-CGLA Antibody; Anti-CP-10 Antibody; Anti-L1Ag Antibody; Anti-MA387 Antibody; Anti-MIF Antibody; Anti-MRP-8 Antibody; Anti-MRP8 Antibody; Anti-NIF Antibody; Anti-P8 Antibody; anti-S100A8 antibody

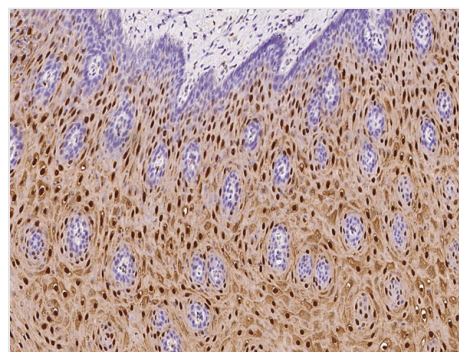
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human S100A8
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-S100A8 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human S100A8 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human S100A8 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunochemical staining of human S100A8 in human tonsil with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.


IHC (Immunohistochemistry)

Immunochemical staining of human S100A8 in human esophagus with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-S100A8 antibody	S100A8 is a member of the S100 protein family containing 2EF-hand calcium-binding motifs. S100 proteins are involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. Altered expression of S100A8 protein is associated with various diseases and cancers. S100A8 may have an immunoregulatory role by contributing to the regulation of fetal-maternal interactions. It may play a protective role and its absence may allow infiltration by maternal cells, a process eventually manifesting as resorption. The heterodimeric S100 protein complex S100A8/A9 which has been shown to be involved in inflammatory and neoplastic disorders. The complex can induce cell proliferation, or apoptosis, inflammation, collagen synthesis, and cell migration. S100A8/A9 has emerged as important pro-inflammatory mediator in acute and chronic inflammation. More recently, increased S100A8 and S100A9 levels were also detected in various human cancers, presenting abundant expression in neoplastic tumor cells as well as infiltrating immune cells. On the one hand, S100A8/A9 is a powerful apoptotic agent produced by immune cells, making it a very fascinating tool in the battle against cancer. It spears the risk to induce auto-immune response and may serve as a lead compound for cancer-selective therapeutics. In contrast, S100A8/A9 expression in cancer cells has also been associated with tumor development, cancer invasion or metastasis. Altogether, its expression and potential cytokine-like function in inflammation and cancer suggest that S100A8/A9 may play a key role in inflammation-associated cancer.
Product Categories/Family for anti-S100A8 antibody	Calcium-binding Proteins and Related Molecules
References	Passey RJ, et al. (1999) S100A8: emerging functions and regulation. J Leukoc Biol. 66(4): 549-56. Gebhardt C, et al. (2006) S100A8 and S100A9 in inflammation and cancer. Biochem Pharmacol. 72(11): 1622-31. Halayko AJ, et al. (2009) S100A8/A9: a mediator of severe asthma pathogenesis and morbidity? Can J Physiol Pharmacol. 87(10): 743-55. Ghavami S, et al. (2009) S100A8/A9: a Janus-faced molecule in cancer therapy and tumorigenesis. Eur J Pharmacol. 625(1-3): 73-83. Ha YS, et al. (2010) mRNA Expression of S100A8 as a Prognostic Marker for Progression of Non-Muscle-Invasive Bladder Cancer. Korean J Urol. 51(1): 15-20.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/s100a8-antibody-immunohistochemistry-elisa/256444>