

Rabbit anti-Human S100A12 Polyclonal Antibody | anti-S100A12 antibody

Anti-S100A12 Antibody

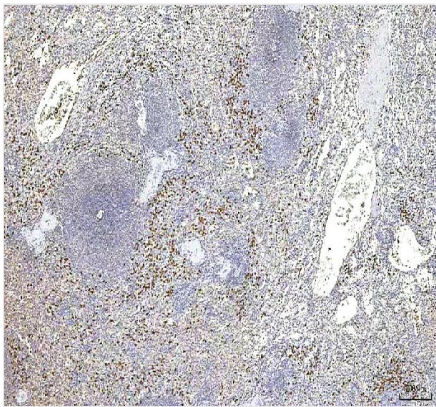
CATALOG # AAA127061	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

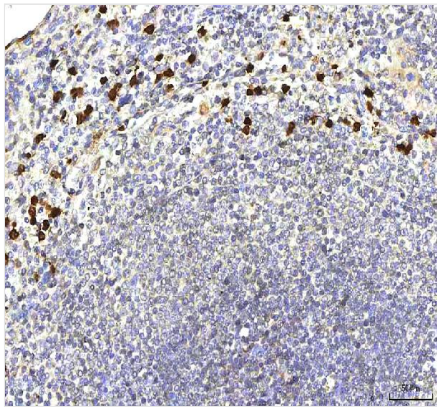
S100A12; Polyclonal Antibody; Anti-S100A12 Antibody; Serine/threonine-protein kinase AtPK1/AtPK6; 70 kDa ribosomal protein S6 kinase 1 antibody; KS6B1_HUMAN antibody; p70 alpha antibody; P70 beta 1 antibody; p70 ribosomal S6 kinase alpha antibody; p70 ribosomal S6 kinase beta 1 antibody; p70 S6 kinase alpha antibody; P70 S6 Kinase antibody; p70 S6 kinase alpha 1 antibody; p70 S6 kinase alpha 2 antibody; p70 S6K antibody; p70 S6K-alpha antibody; p70 S6KA antibody; p70(S6K) alpha antibody; p70(S6K)-alpha antibody; p70-alpha antibody; p70-S6K 1 antibody; p70-S6K antibody; P70S6K antibody; P70S6K1 antibody; p70S6Kb antibody; PS6K antibody; Ribosomal protein S6 kinase 70kDa polypeptide 1 antibody; Ribosomal protein S6 kinase beta 1 antibody; Ribosomal protein S6 kinase beta-1 antibody; Ribosomal protein S6 kinase I antibody; RPS6KB1 antibody; S6K antibody; S6K-beta-1 antibody; S6K1 antibody; Serine/threonine kinase 14 alpha antibody; Serine/threonine-protein kinase 14A antibody; STK14A antibody; anti-S100A12 antibody

PRODUCT SPECIFICATIONS

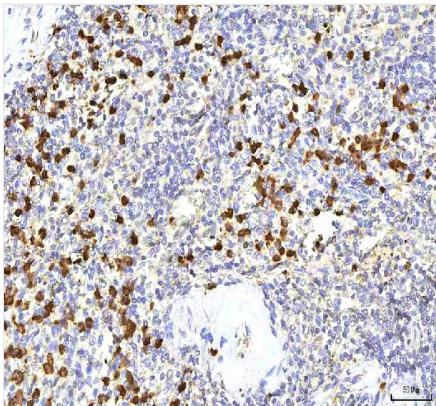
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Expressed in all tissues.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-S100A12 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human S100A12.
Subcellular Localization	Cytoplasm, Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross reactivity with other proteins.
Protein Function	Downstream effector of TOR signaling pathway involved in osmotic stress response. Could be involved in the control of plant growth and development. Phosphorylates the ribosomal proteins P14, P16 and S6. Functions as a repressor of cell proliferation and required for maintenance of chromosome stability and ploidy levels through the RBR1-E2F pathway.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



IHC (Immunohistochemisry)
Figure 3. IHC analysis of S100A12 using anti-S100A12 antibody (AAA127061).S100A12 was detected in a paraffin-embedded section of human spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-S100A12 Antibody (AAA127061) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohiostchemistry)
Figure 2. IHC analysis of S100A12 using anti-S100A12 antibody (AAA127061).S100A12 was detected in a paraffin-embedded section of human spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-S100A12 Antibody (AAA127061) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 1. IHC analysis of S100A12 using anti-S100A12 antibody (AAA127061).S100A12 was detected in a paraffin-embedded section of human spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-S100A12 Antibody (AAA127061) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Product Categories/Family for anti-S100A12 antibody	Primary Antibodies; Signal Transduction; Signaling Pathway; Small G Proteins
References	1. Cole, A. M., Kim, Y.-H., Tahk, S., Hong, T., Weis, P., Waring, A. J., Ganz, T. Calcitermin, a novel antimicrobial peptide isolated from human airway secretions. FEBS Lett. 504: 5-10, 2001. 2. Guignard, F., Mauel, J., Markert, M. Identification and characterization of a novel human neutrophil protein related to the S100 family. Biochem. J. 309: 395-401, 1995. 3. Hofmann, M. A., Drury, S., Fu, C., Qu, W., Taguchi, A., Lu, Y., Avila, C., Kambham, N., Bierhaus, A., Nawroth, P., Neurath, M. F., Slaterry, T., Beach, D., McClary, J., Nagashima, M., Morser, J., Stern, D., Schmidt, A. M. RAGE mediates a novel proinflammatory axis: a central cell surface receptor for S100/calgranulin polypeptides. Cell 97: 889-901, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2507565
NCBI GeneID	6283
UniProt Accession #	P80511; P83219; Q5SY66; Q7M4R1
Molecular Weight	92
NCBI Official Full Name	Protein S100-A12
NCBI Official Synonym Full Names	S100 calcium binding protein A12
NCBI Official Symbol	S100A12
NCBI Official Synonym Symbols	p6; CAGC; CGRP; MRP6; CAAF1; MRP-6; ENRAGE
NCBI Protein Information	protein S100-A12; EN-RAGE; calcitermin; calgranulin C; calgranulin-C; neutrophil S100 protein; calcium-binding protein in amniotic fluid 1; migration inhibitory factor-related protein 6; S100 calcium-binding protein A12 (calgranulin C); extracellular newl
UniProt Protein Name	Protein S100-A12
UniProt Gene Name	S100A12
UniProt Synonym Gene Names	CAAF1; CAGC; EN-RAGE; MRP-6; p6
UniProt Entry Name	S10AC_HUMAN

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/s100a12-antibody-immunohistochemistry-elisa/127061>