

Rabbit anti-Human S100A6 Polyclonal Antibody | anti-S100A6 antibody

Anti-S100A6 Antibody, Rabbit Polyclonal

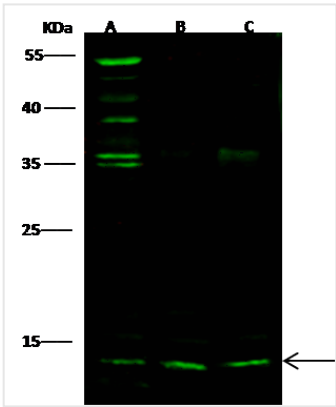
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255256	Rabbit	Human	Immunofluorescence, Immunocytochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

S100A6; Polyclonal Antibody; Anti-S100A6 Antibody; Rabbit Polyclonal; S100A6 Antibody; Rabbit PAb; Antigen Affinity Purified; S100 calcium binding protein A6; Anti-2A9 Antibody; Anti-5B10 Antibody; Anti-CABP Antibody; Anti-CACY Antibody; Anti-PRA Antibody; anti-S100A6 antibody

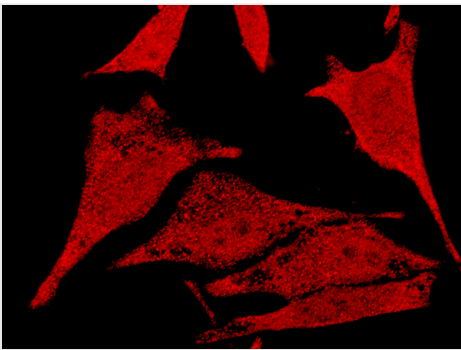
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human S100A6
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-S100A6 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human S100A6 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human S100A6 (rh S100A6). S100A6 specific IgG was purified by Human S100A6 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. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)

Anti-S100A6 rabbit polyclonal antibody at 1:500 dilution
Lane A: A549 Whole Cell Lysate
Lane B: SH-SY5Y Whole Cell Lysate
Lane C: HuT78 Whole Cell Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.
Developed using the Odyssey technique.
Performed under reducing conditions.
Predicted band size: 10 kDa
Observed band size: 12 kDa
(We are unsure as to the identity of these extra bands.)



IF (Immunofluorescence)

Immunofluorescence staining of S100A6 in Hela cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-human S100A6 polyclonal antibody (1:5000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor594-conjugated Goat Anti-rabbit IgG secondary antibody (red). Positive staining was localized to cytoplasm and nucleus.

ADDITIONAL INFORMATION

Related Product Information for anti-S100A6 antibody	S100 protein is a family of low molecular weight protein found in vertebrates characterized by two EF-hand calcium-binding motifs. There are at least 21 different S100 proteins, and the name is derived from the fact that the protein is 100% soluble in ammonium sulfate at neutral pH. Most S100 proteins are disulfide-linked homodimer, and is normally present in cells derived from the neural crest, chondrocytes, macrophages, dendritic cells, etc. S100 proteins have been implicated in a variety of intracellular and extracellular functions. They are involved in regulation of protein phosphorylation, transcription factors, the dynamics of cytoskeleton constituents, enzyme activities, cell growth and differentiation, and the inflammatory response. S100A6 (S100 calcium-binding protein A6) is a member of the S100 family of proteins, and functions in prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of S100A6 have been implicated in melanoma.
Product Categories/Family for anti-S100A6 antibody	Calcium-binding Proteins and Related Molecules
References	Schafer, B.W. et al., 1996, Trends Biochem. Sci. 21 (4): 134-140. Donato, R. et al., 2003, Microsc. Res. Tech. 60 (6): 540-551. Nowotny, M. et al., 2003, J. Biol. Chem. 278 (29): 26923-26928. Nonaka D, et al., 2008, J. Cutan. Pathol. 35 (11): 1014-1019. Marenholz, I. et al., 2004, Biochem. Biophys. Res. Commun. 322 (4): 1111-22.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657532
NCBI GeneID	6277
NCBI Accession #	NP_055439.1
NCBI GenBank Nucleotide #	NM_014624.3
UniProt Accession #	P06703; Q5RHS4; D3DV39
Molecular Weight	10,180 Da
NCBI Official Full Name	protein S100-A6
NCBI Official Synonym Full Names	S100 calcium binding protein A6
NCBI Official Symbol	S100A6
NCBI Official Synonym Symbols	2A9; PRA; 5B10; CABP; CACY

NCBI Protein Information	protein S100-A6; MLN 4; S100 calcium-binding protein A6 (calcyclin); growth factor-inducible protein 2A9; prolactin receptor-associated protein
UniProt Protein Name	Protein S100-A6
UniProt Gene Name	S100A6
UniProt Synonym Gene Names	CACY; PRA
UniProt Entry Name	S10A6_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/s100a6-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/255256>