

Rabbit Psoriasin Polyclonal Antibody | anti-S100A7 antibody

Anti-Psoriasin Picoband antibody

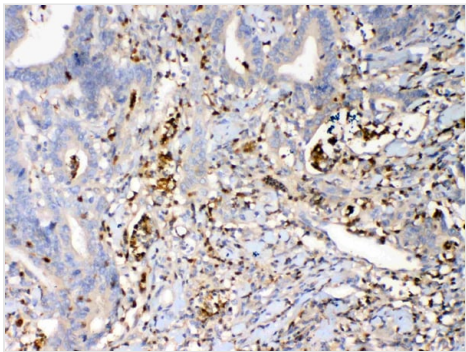
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124685	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Psoriasin; Polyclonal Antibody; Anti-Psoriasin Picoband antibody; Protein S100-A7; S100 calcium-binding protein A7; S100A7; PSOR1; S100A7C; anti-S100A7 antibody

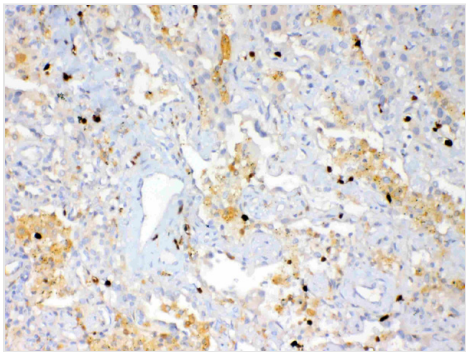
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	101
Applicable Applications for anti-S100A7 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	E Coli-derived human Psoriasin recombinant protein (Position: S2-Q101).
Subcellular Localization	Cytoplasm. Secreted. Secreted by a non- classical secretory pathway.
Tissue Specificity	Fetal ear, skin, and tongue and human cell lines. Highly up-regulated in psoriatic epidermis. Also highly expressed in the urine of bladder squamous cell carcinoma (SCC) bearing patients.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



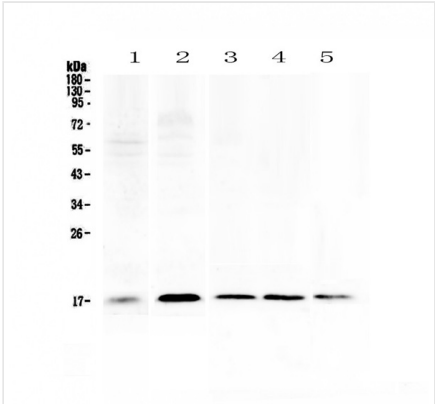
IHC (Immunohistochemistry)

Figure 3. IHC analysis of Psoriasin using anti-Psoriasin antibody (AAA124685).Psoriasin was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Psoriasin Antibody (AAA124685) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of Psoriasin using anti-Psoriasin antibody (AAA124685).Psoriasin was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Psoriasin Antibody (AAA124685) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of Psoriasin using anti-Psoriasin antibody (AAA124685).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human placenta tissue lysates,Lane 2: human Hela cell lysates,Lane 3: rat spleen tissue lysates,Lane 4: rat RH35 cell lysates,Lane 5: mouse spleen tissue lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Psoriasin antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Psoriasin at approximately 17KD. The expected band size for Psoriasin is at 11KD.

ADDITIONAL INFORMATION

Related Product Information for anti-S100A7 antibody	S100 calcium-binding protein A7 (S100A7), also known as psoriasin, is a protein that in humans is encoded by the S100A7 gene. 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. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein differs from the other S100 proteins of known structure in its lack of calcium binding ability in one EF-hand at the N-terminus. The protein is overexpressed in hyperproliferative skin diseases, exhibits antimicrobial activities against bacteria and induces immunomodulatory activities.
Product Categories/Family for anti-S100A7 antibody	Neuroscience; Neurotransmission; Calcium Signaling; Calcium Binding Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298657
NCBI GeneID	6278
NCBI Accession #	NP_002954.2
NCBI GenBank Nucleotide #	NM_002963.3
UniProt Accession #	P31151; Q5SY67; Q6FGE3; Q9H1E2
Molecular Weight	11471 MW
NCBI Official Full Name	protein S100-A7
NCBI Official Synonym Full Names	S100 calcium binding protein A7
NCBI Official Symbol	S100A7
NCBI Official Synonym Symbols	PSOR1; S100A7c
NCBI Protein Information	protein S100-A7
UniProt Protein Name	Protein S100-A7
UniProt Gene Name	S100A7
UniProt Synonym Gene Names	PSOR1; S100A7C

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://stage.aaabiotech.com/polyclonal/psoriasin-antibody-western-blot-immunohistochemistry-elisa/124685>