

Datasheet for ABIN5708274
anti-S100A7 antibody



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2 Images

Overview

Quantity:	100 µg
Target:	S100A7
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This S100A7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A recombinant human partial protein corresponding to amino acids S2-Q101 was used as the immunogen for the Psoriasin antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	S100A7
Alternative Name:	S100A7 / Psoriasin (S100A7 Products)
Background:	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

Target Details

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.

UniProt: [P31151](#)

Pathways: [S100 Proteins](#)

Application Details

Application Notes: Optimal dilution of the Psoriasin antibody should be determined by the researcher.\. Western Blot: 0.5-1 µg/mL,IHC (FFPE): 1-2 µg/mL,Direct ELISA: 0.1-0.5 µg/mL

Restrictions: For Research Use only

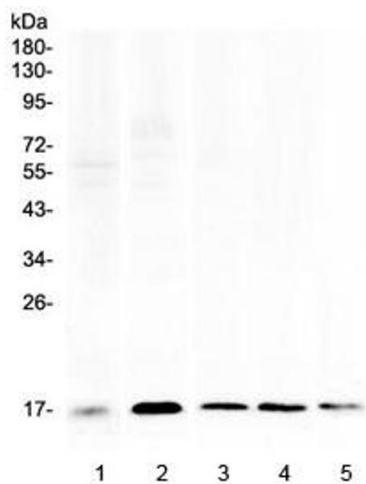
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

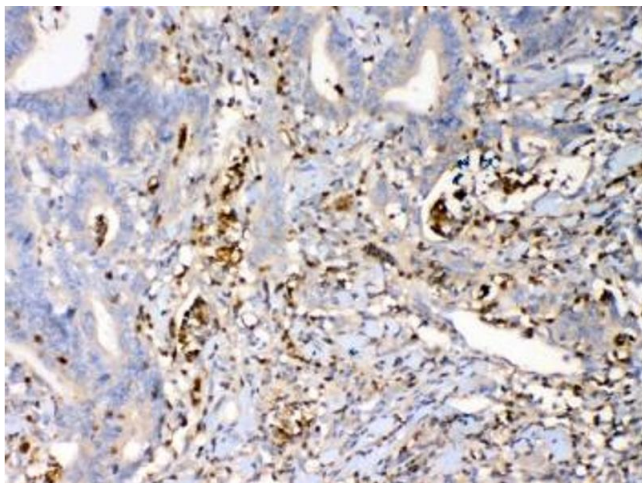
Storage Comment: After reconstitution, the Psoriasin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of 1) human placenta, 2) human HeLa, 3) rat spleen, 4) rat RH35 and 5) mouse spleen lysate with Psoriasin antibody at 0.5ug/ml. Predicted molecular weight: 11-13 kDa, observed here at ~17 kDa.



Immunohistochemistry

Image 2. IHC testing of FFPE human rectal cancer tissue with Psoriasin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.