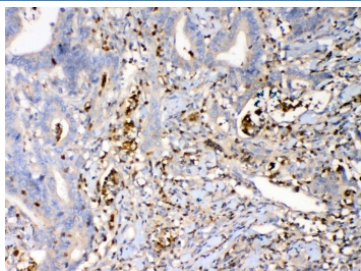


Psoriasin Antibody / S100A7 (RQ4106)

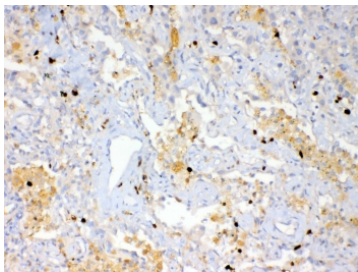
Catalog No.	Formulation	Size
RQ4106	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

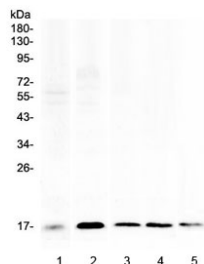
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P31151
Localization	Cytoplasmic, secreted
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunofluorescence : 2-4ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Psoriasin antibody is available for research use only.



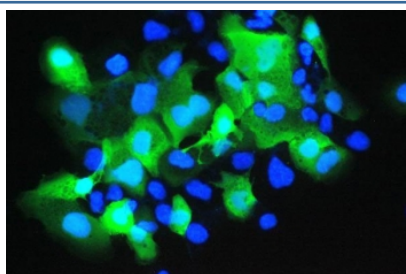
IHC testing of FFPE human rectal cancer tissue with Psoriasin antibody at 1ug/ml.
Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



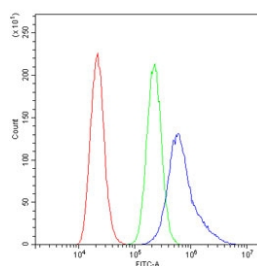
IHC testing of FFPE human lung cancer tissue with Psoriasin antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



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.



Immunofluorescent staining of FFPE human A431 cells with Psoriasin antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human A431 cells with Psoriasin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Psoriasin antibody.

Description

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.

Application Notes

Optimal dilution of the Psoriasin antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein corresponding to amino acids S2-Q101 was used as the immunogen for the Psoriasin antibody.

Storage

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