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Anti-S100-A7 Antibody

Catalog # AP53868

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P31151
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11471

Additional Information

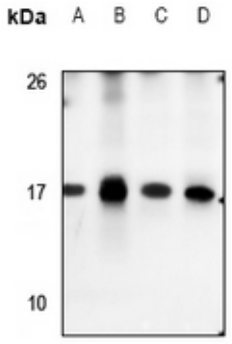
Gene ID	6278
Other Names	PSOR1; S100A7C; Protein S100-A7; Psoriasin; S100 calcium-binding protein A7
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human S100-A7. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

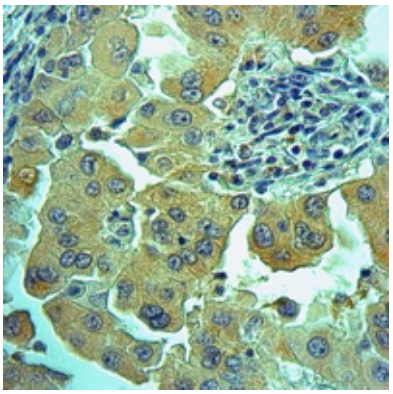
Protein Information

Name	S100A7
Synonyms	PSOR1, S100A7C
Cellular Location	Cytoplasm. Secreted. Note=Secreted by a non-classical secretory pathway
Tissue Location	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

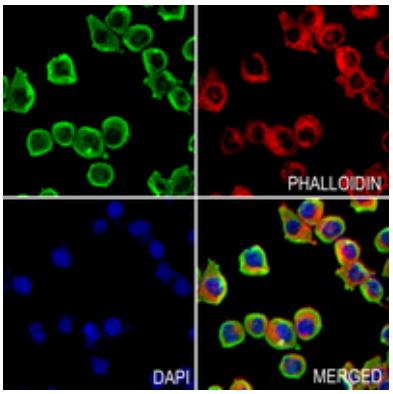
Images

Western blot analysis of S100-A7 expression in mouse testis (A), Hela (B), EC9706 (C), K562 (D) whole cell lysates. (Predicted band size: 11 kD; Observed band size: 17 kD)





Immunohistochemical analysis of S100-A7 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of S100-A7 staining in BV2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.