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Anti-Serpin B4 Antibody

Catalog # AP51504

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P48594
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44854

Additional Information

Gene ID	6318
Other Names	PI11; SCCA2; Serpin B4; Leupin; Peptidase inhibitor 11; PI-11; Squamous cell carcinoma antigen 2; SCCA-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Serpin B4. The exact sequence is proprietary.
Dilution	WB~~ 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

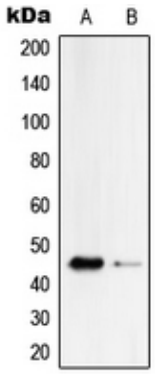
Name	SERPINB4
Synonyms	PI11, SCCA2
Function	May act as a protease inhibitor to modulate the host immune response against tumor cells.
Cellular Location	Cytoplasm. Note=Seems to also be secreted in plasma by cancerous cells but at a low level
Tissue Location	Squamous cells.

References

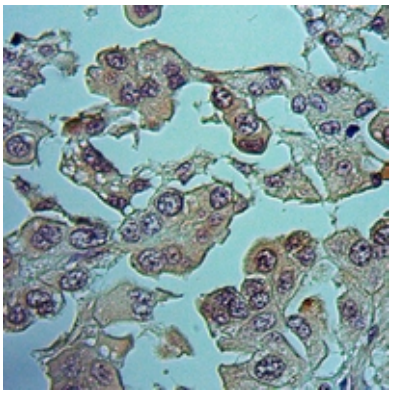
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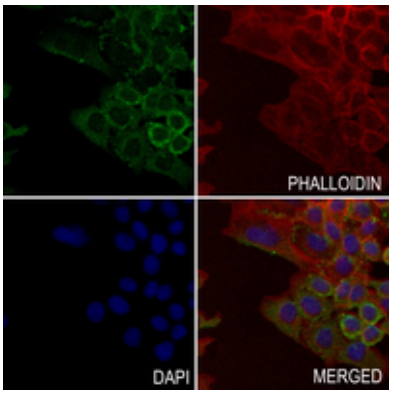
Images



Western blot analysis of Serpin B4 expression in HepG2 (A), PC12 (B) whole cell lysates. (Predicted band size: 44 kD; Observed band size: 45 kD)



Immunohistochemical analysis of Serpin B4 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 Serpin B4 staining in MCF7 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'.