

For Research Use Only

Involucrin Polyclonal antibody

Catalog Number: 55328-1-AP **18 Publications**



Basic Information

Catalog Number: 55328-1-AP	GenBank Accession Number: NM_005547	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3713	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: involucrin	
Isotype: IgG	Calculated MW: 69 kDa	
	Observed MW: 80-90 kDa, 56-70 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : Raji cells, NIH/3T3 cells
Cited Applications: IF, IHC, WB	IHC : human skin cancer tissue, human thymus tissue, human oesophagus tissue
Species Specificity: human, mouse	IF : mouse skin tissue,
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Involucrin is a protein precursor of the epidermal cornified envelope that is assembled in the outermost layers of the epidermis. Involucrin expression is restricted to the suprabasal epidermal layers (spinous and granular layers) during normal keratinocyte differentiation and is a useful marker of terminal differentiation. The predicted MW of involucrin is 68 kDa, while different reports provided variable results ranging from 90-140 kDa. (PMID: 11099111, 1503502)

Notable Publications

Author	Pubmed ID	Journal	Application
Lisa Lemoine	34579573	mBio	IF
Yuan Mu	26500069	Mol. Med Rep	WB
Shidi Wu	31790685	Life Sci	IHC

Storage

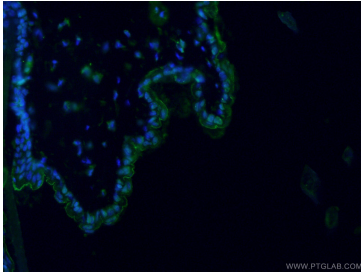
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

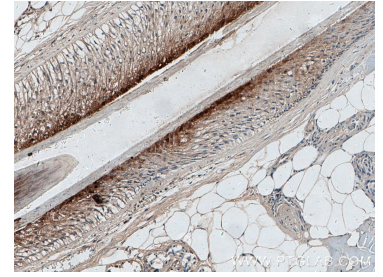
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse skin tissue using 55328-1-AP (Involucrin antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Raji cells were subjected to SDS PAGE followed by western blot with 55328-1-AP (IVL antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 55328-1-AP (Involucrin antibody) at dilution of 1:200 (under 10x lens).