

For Research Use Only

Involucrin Recombinant antibody, PBS Only

Catalog Number: 83649-5-PBS



Basic Information

Catalog Number: 83649-5-PBS	GenBank Accession Number: NML_005547	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 3713	CloneNo.: 240566D8
Source: Rabbit	UNIPROT ID: P07476	
Isotype: IgG	Full Name: involucrin	
Immunogen Catalog Number: AG29585	Calculated MW: 68 kDa	
	Observed MW: 140 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

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, but it also forms 120 kDa dimers, while different reports provided variable results ranging from 90-140 kDa. (PMID: 11099111, 1503502, 12150517)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

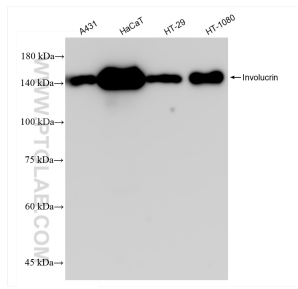
T: 4006900926

E: Proteintech-CN@ptglab.com

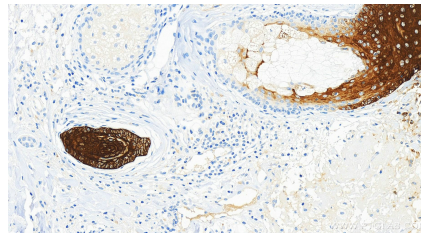
W: ptgcn.com

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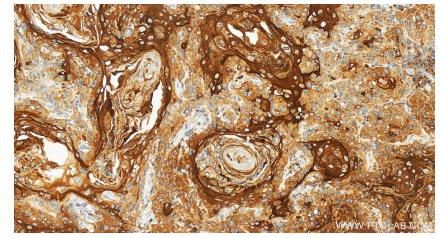
Selected Validation Data



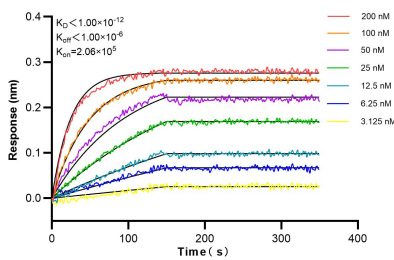
Various lysates were subjected to SDS PAGE followed by western blot with 83649-5-RR (Involutrin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83649-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 83649-5-RR (Involutrin antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83649-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 83649-5-RR (Involutrin antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83649-5-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 83649-5-RR against Human Involutrin were performed. The affinity constant is below 1 pM.