

Involucrin Rabbit mAb

Catalog No: #49718

Package Size: #49718-1 50ul #49718-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

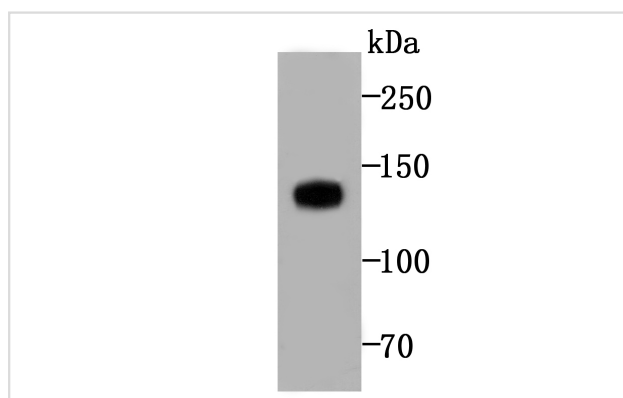
Description

Product Name	Involucrin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU73-02
Purification	ProA affinity purified
Applications	WB,IHC,FC
Species Reactivity	Hu, Rt
Immunogen Description	Recombinant protein
Other Names	INVO_HUMAN antibody Involucrin antibody IVL antibody
Accession No.	Swiss-Prot#:P07476
Uniprot	P07476
GeneID	3713;
Calculated MW	120 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

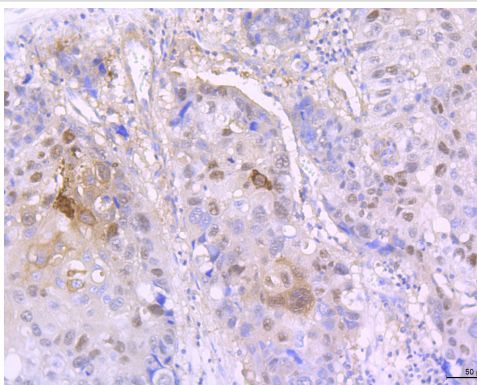
Application Details

WB: 1:500-1:2,000IHC: 1:50-1:200FC: 1:50-1:200

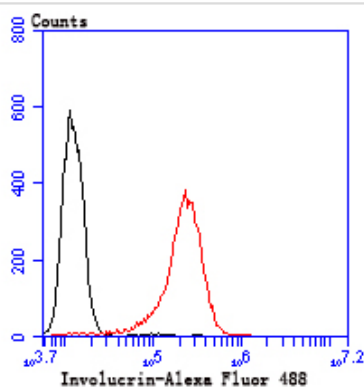
Images



Western blot analysis of Involucrin on human skin tissue lysate using Involucrin antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-Involucrin antibody. Counter stained with hematoxylin.



Flow cytometric analysis of A431 cells with Involucrin antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

Involucrin is a precursor protein of the keratinocyte cornified envelope, which is formed beneath the inner surface of the cell membrane during terminal differentiation. During keratinocyte terminal differentiation, glutamine residues of involucrin become covalently cross-linked to other envelope precursors via covalent epsilon-(gamma-glutamyl) lysine bonds. Moreover, its large size allows involucrin to cross-link molecules that are separated by substantial distances in the cornified envelope. These properties allow a single involucrin molecule to form multiple cross-links, in multiple spatial planes, with other envelope precursors.

References

Note: This product is for in vitro research use only