

Anti-Involucrin Picoband Antibody

Catalog # ABO12398

Product Information

Application	WB
Primary Accession	P07476
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Involucrin(IVL) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	3713
Other Names	Involucrin, IVL
Calculated MW	68479
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Cytoplasm. Constituent of the scaffolding of the cornified envelope.
Tissue Specificity	Keratinocytes of epidermis and other stratified squamous epithelia.
Source	Eukaryota
Protein Name	Involucrin
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Involucrin (551-585aa QVQDIQPALPTKGEVLLPVEHQQKQEVQWPPKHK).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Protein Information

Name	IVL
Function	Part of the insoluble cornified cell envelope (CE) of stratified squamous epithelia.
Cellular Location	Cytoplasm. Note=Constituent of the scaffolding of the cornified envelope
Tissue Location	Keratinocytes of epidermis and other stratified squamous epithelia

Background

Involucrin is a protein component of human skin and in humans is encoded by the IVL gene. It is a highly reactive, soluble, transglutaminase substrate protein present in keratinocytes of epidermis and other stratified squamous epithelia. It first appears in the cell cytosol, but ultimately becomes cross-linked to membrane proteins by transglutaminase thus helping in the formation of an insoluble envelope beneath the plasma membrane functioning as a glutamyl donor during assembly of the cornified envelope. Additionally, Involucrin is synthesised in the stratum spinosum and cross linked in the stratum granulosum by the transglutaminase enzyme that makes it highly stable. Thus it provides structural support to the cell, thereby allowing the cell to resist invasion by micro-organisms.

Images



Anti- Involucrin Picoband antibody, ABO12398, Western blotting All lanes: Anti Involucrin (ABO12398) at 0.5ug/ml Lane 1: A431 Whole Cell Lysate at 40ug Lane 2: A549 Whole Cell Lysate at 40ug Predicted bind size: 68KD Observed bind size: 68KD

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