

anti-Human Involucrin Polyclonal Antibody | anti-IVL antibody

Anti-Involucrin Antibody

CATALOG # AAA46482	REACTIVITY Human	APPLICATIONS Western Blot
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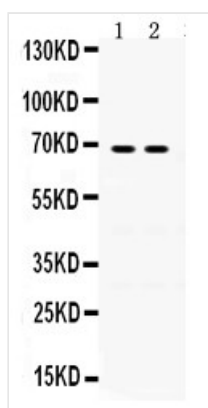
PRODUCT SYNONYMS

Involucrin; Polyclonal Antibody; Anti-Involucrin Antibody; INVO_HUMAN; IVL; involucrin; anti-IVL antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	585
Applicable Applications for anti-IVL antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Involucrin (551-585aa QVQDIQPALPTKGEVLLPVEHQQKQEVQWPPKHK).
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti- Involucrin Picoband antibody, AAA46482, Western blotting All lanes: Anti Involucrin (AAA46482) 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

ADDITIONAL INFORMATION

Related Product Information for anti-IVL antibody	Description: Rabbit IgG polyclonal antibody for Involucrin(IVL) detection. Tested with WB in Human. 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.
References	1. Djian P, Phillips M, Easley K, Huang E, Simon M, Rice RH, Green H (November 1993). "The involucrin genes of the mouse and the rat: study of their shared repeats". Mol. Biol. Evol. 10 (6): 1136-49. 2. Eckert RL, Green H (Sep 1986). "Structure and evolution of the human involucrin gene". Cell 46 (4): 583-9. 3. Green H, Djian P (November 1992). "Consecutive actions of different gene-altering mechanisms in the evolution of involucrin". Mol. Biol. Evol. 9 (6): 977-1017.

NCBI AND UNIPROT INFORMATION

NCBI GI #	44890059
NCBI GeneID	3713
NCBI Accession #	NP_005538.2
NCBI GenBank Nucleotide #	NM_005547.2
UniProt Accession #	P07476; Q5T7P4
NCBI Official Full Name	involucrin
NCBI Official Synonym Full Names	involucrin
NCBI Official Symbol	IVL
NCBI Protein Information	involucrin
UniProt Protein Name	Involucrin
UniProt Gene Name	IVL
UniProt Entry Name	INVO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/involucrin-antibody-western-blot-elisa/46482>