SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Involucrin antibody

Catalog Number: SL23062R

FOR RESEARCH USE ONLY

[DATASHEET]

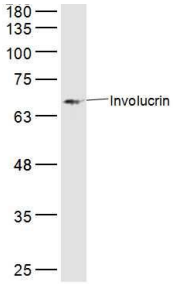
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Involucrin
Immunogen:	KLH conjugated synthetic peptide derived from mouse Involucrin: 21-120/467
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat)
Predicted MW.:	64kDa
Subcellular Location:	cytoplasmic
Background:	Involucrin, a component of the keratinocyte crosslinked envelope, is found in the cytoplasm and crosslinked to membrane proteins by transglutaminase. This gene is mapped to 1q21, among calpactin I light chain, trichohyalin, profillaggrin, loricrin, and calcyclin. [provided by RefSeq, Jul 2008]. **Function:** Part of the insoluble cornified cell envelope (CE) of stratified squamous epithelia. **Subunit:** Directly or indirectly cross-linked to cornifelin (CNFN). **Subcellular Location:** Cytoplasm. **Tissue Specificity:** Keratinocytes of epidermis and other stratified squamous epithelia. **Post-translational modifications:** Substrate of transglutaminase. Some glutamines and lysines are cross-linked to other involucrin molecules, to other proteins such as keratin, desmoplakin, periplakin and envoplakin, and to lipids like omega-hydroxyceramide. **Similarity:** Belongs to the involucrin family.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Database links: **Entrez Gene:** 3713 Human **Entrez Gene:** 16447 Mouse **Entrez Gene:** 60583 Rat Omim: 147360 Human **SwissProt:** P07476 Human **SwissProt:** P48997 Mouse **SwissProt:** P48998 Rat **Unigene:** 516439 Human **Unigene:** 207365 Mouse **Unigene:** 142591 Rat Envoplakin, also known as involucrin or envelope protein, together with trichohyalin, constitutes the protein scaffold of the keratinocyte envelope. During keratinocyte Cell differentiation, it first appears as a marker protein in the upper cells of the epidermal spinous layer; this protein is synthesized in keratinocytes and other stratified squamous epithelia. It initially exists in the cytoplasm and then, through the action of transglutaminase, is converted into a cross-linked membrane protein.

[VALIDATION IMAGES]



Sample:
MCM-7(Human) Cell Lysate at 30 ug
Primary: Anti-Involucrin (SL23062R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 64 kD
Observed band size: 64 kD

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