



## Rabbit Anti-Involucrin antibody

SL1236R

<b>Product Name:</b>	Involucrin
<b>Chinese Name:</b>	囊包蛋白/内披蛋白抗体
<b>Alias:</b>	INVO HUMAN; involucrin; ivl.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	64kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Involucrin:65-180/585
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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, lorocrin, and calyclin. [provided by RefSeq, Jul 2008].</p> <p><b>Function:</b> Part of the insoluble cornified cell envelope (CE) of stratified squamous epithelia.</p>

**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.

**SWISS:**

P07476

**Gene ID:**

3713

**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

**Important Note:**

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

套膜蛋白又称内披蛋白或囊包蛋白，与毛透明蛋白共同构成角质细胞包膜支架的蛋白质。在角质Cell differentiation时，首先出现在表皮棘层的上层细胞中的标志性蛋白质，该蛋白在角质细胞和其他复层扁平上皮合成的蛋白。最初存在于细胞质中，然后通过转谷氨酰胺酶的作用，转变为交联的膜蛋白。