

Anti-Involucrin antibody [SY5] ab80530

[5 References](#) [3 图像](#)

概述

产品名称	Anti-Involucrin抗体[SY5]
描述	小鼠单克隆抗体[SY5] to Involucrin
宿主	Mouse
特异性	This antibody stains the Involucrin in a variety of sizes: 170kDa in MCF-7 cells, a doublet of ~115kDa and 150kDa in gorilla and owl monkey, 66kDa in dog, and a doublet of 105kDa in pig.
经测试应用	适用于: IHC-P, WB, IP, ELISA, ICC/IF, IHC-Fr, Flow Cyt
种属反应性	与反应: Rat, Dog, Human, Pig, Gorilla, Owl monkey
免疫原	Involucrin from Human keratinocytes
表位	Codon 421-568.
阳性对照	LS174T cells and human skin.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: 10mM PBS, pH 7.4
纯度	Protein G purified
纯化说明	Purified from ascites fluid by Protein G chromatography.
克隆	单克隆
克隆编号	SY5
同种型	IgG1

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab80530于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform enzymatic antigen retrieval before commencing with IHC staining protocol. Digest formalin-fixed tissue with trypsin or Protease XXV (1 mg/ml in PBS) at 37°C.
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 66-170 kDa (predicted molecular weight: 68 kDa).
IP		Use at 2 µg/mg of lysate.
ELISA		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration. PubMed: 20861360
Flow Cyt		Use 0.1µl for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

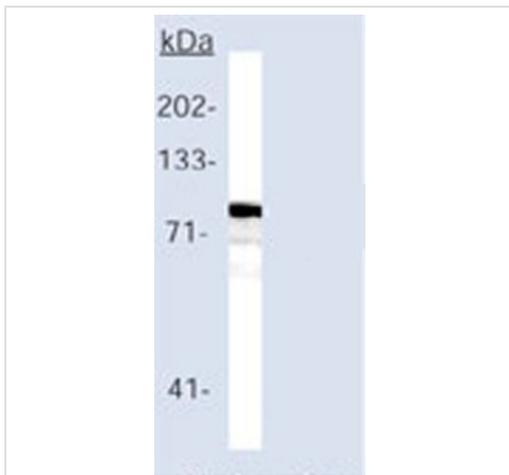
功能	Part of the insoluble cornified cell envelope (CE) of stratified squamous epithelia.
组织特异性	Keratinocytes of epidermis and other stratified squamous epithelia.
序列相似性	Belongs to the involucrin family.
翻译后修饰	Substrate of transglutaminase. Some glutamines and lysines are cross-linked to other involucrin molecules, to other proteins such as keratin, desmoplakin, periplakin and envoplakin, and to lipids like omega-hydroxyceramide.
细胞定位	Cytoplasm. Constituent of the scaffolding of the cornified envelope.

图片



Formalin-fixed, paraffin-embedded human skin stained with ab80530 at 1µg/ml using peroxidase-conjugate and DAB chromogen. Note cytoplasmic staining in the epidermal region.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Involucrin antibody [SY5] (ab80530)

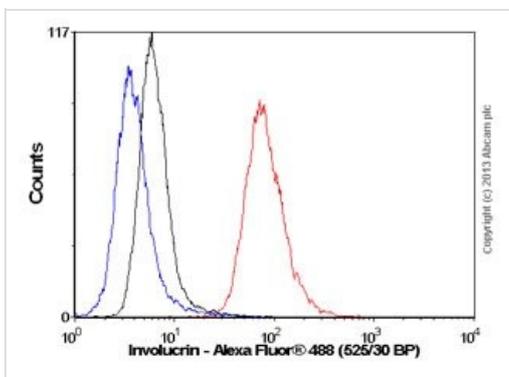


Western blot - Anti-Involucrin antibody [SY5]
(ab80530)

Anti-Involucrin antibody [SY5] (ab80530) at 1 µg/ml + LS174T cells

Predicted band size: 68 kDa

Observed band size: 90 kDa



Flow Cytometry - Anti-Involucrin antibody [SY5]
(ab80530)

Overlay histogram showing A431 cells stained with ab80530 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab80530, 0.1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) (**ab150113**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [CIGG1] (**ab91353**, 1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

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