

ARG62524 anti-Involucrin antibody [SY5]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [SY5] recognizes Involucrin
Tested Reactivity	Hu, Dog, Glla, Mk, Owl, Pig
Species Does Not React With	Ms
Tested Application	FACS, ICC/IF, IHC-Fr, IHC-P, IP, WB
Specificity	This antibody stains involucrin in different sizes: 120 kDa in human keratinocytes, 170kDa in MCF-7 cells, a doublet of ~115kDa and 150kDa in gorilla and owl monkey, 66kDa in dog (weak band) and a doublet of 105kDa in pig.
Host	Mouse
Clonality	Monoclonal
Clone	SY5
Isotype	IgG1
Target Name	Involucrin
Species	Human
Immunogen	Pure involucrin from human keratinocytes
Epitope	between codon 421-568 of human involucrin
Conjugation	Un-conjugated
Alternate Names	Involucrin

Application Instructions

Application table	Application	Dilution
	FACS	1µg for 10 ⁶ cells
	ICC/IF	1:200 - 1:1000
	IHC-Fr	1:100 - 1:200
	IHC-P	1:100 - 1:500
	IP	1-2 µg / 500 µg protein
	WB	1:500 - 1:1000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
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Purification	Immunogen affinity purified
Buffer	1X PBS buffer with <0.1% sodium azide.
Preservative	<0.1% sodium azide.
Concentration	2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 3713 Human GeneID: 407242 Pig Swiss-port # P07476 Human Swiss-port # P18175 Pig
Gene Symbol	IVL
Gene Full Name	involucrin
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 calyculin. [provided by RefSeq, Jul 2008]
Function	Part of the insoluble cornified cell envelope (CE) of stratified squamous epithelia. [UniProt]
Research Area	Cancer antibody; Signaling Transduction antibody
Calculated Mw	68 kDa
PTM	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.
Cellular Localization	Cytoplasm