

Product Datasheet

Involucrin Antibody (SY5)

NBP2-34264-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-34264-0.1mg

Involucrin Antibody (SY5)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	SY5
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Host	Mouse
Gene ID	3713
Gene Symbol	IVL
Species	Human, Porcine, Canine, Primate, Mouse (Negative)
Reactivity Notes	Gorilla, Owl Monkey
Marker	Squamous Cell Terminal Differentiation Marker
Specificity/Sensitivity	It recognizes a protein of 66kDa-170kDa, identified as involucrin. In Western blotting of cultured human keratinocytes, this MAb reacts with a 120kDa protein. It 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. Its epitope maps between codon 421-568 of human involucrin. Involucrin is expressed in a range of stratified squamous epithelia, including the cornea, which lacks a distinct cornified layer. In normal epidermis, it is first expressed in the upper spinous layers, and in keratinocyte cultures, all cells that have left the basal layer express it. Involucrin expression is altered in pathological conditions: in psoriasis and other benign epidermal hyperplasias, involucrin expression begins closer to the basal layer than normal; expression is abnormal in squamous cell carcinomas and premalignant lesions, and is reduced in severe dysplasias of the larynx and cervix.
Immunogen	Purified involucrin from human keratinocytes
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 0.5-1.0ug/ml, Flow Cytometry 0.5-1ug/million cells, ELISA 1-5ug/ml for coating, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2ug/ml, Immunoprecipitation 1-2ug/500ug protein, Immunohistochemistry-Paraffin 1-2ug/ml, Immunohistochemistry-Frozen 1-2ug/ml
Application Notes	Human Chromosome Location: 1q21.3 Mol. Weight of Antigen: 66-170kDa





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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