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Cytokeratin 16 Polyclonal Antibody

Catalog # AP69447

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	P08779
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51268

Additional Information

Gene ID	3868
Other Names	KRT16; KRT16A; Keratin; type I cytoskeletal 16; Cytokeratin-16; CK-16; Keratin-16; K16
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

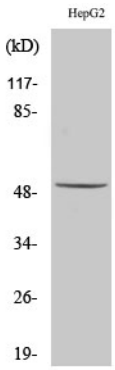
Name	KRT16 (HGNC:6423)
Synonyms	KRT16A
Function	Structural component of intermediate filaments in epithelial keratinocytes. Forms heteropolymers with type II keratins KRT6A and KRT6B, assembling into keratin intermediate filament networks that contribute to cytoskeletal resilience of palm, sole, nail bed and oral mucosa (PubMed:7539673, PubMed:8595410). Regulates epidermal innate immunity and inflammatory signaling in response to barrier disruption. Required for normal palmoplantar epidermal differentiation and nail unit structure (By similarity).
Tissue Location	Expressed in the corneal epithelium (at protein level).

Background

Epidermis-specific type I keratin that plays a key role in skin. Acts as a regulator of innate immunity in

response to skin barrier breach: required for some inflammatory checkpoint for the skin barrier maintenance.

Images



Western Blot analysis of various cells using Cytokeratin 16 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.