10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Cytokeratin 16 KRT16 Rabbit Monoclonal Antibody

Catalog # ABO14184

Product Information

Application	WB, IHC, IF, ICC, FC
Primary Accession	P08779
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-Cytokeratin 16 KRT16 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

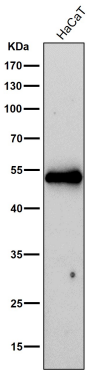
Additional Information

Gene ID	3868
Other Names	Keratin, type I cytoskeletal 16, Cytokeratin-16, CK-16, Keratin-16, K16, KRT16, KRT16A
Calculated MW	51268
Application Details	WB 1:1000-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 FC 1:50
Tissue Specificity	Expressed in the hair follicle, nail bed and in mucosal stratified squamous epithelia and, suprabasally, in oral epithelium and palmoplantar epidermis. Also found in luminal cells of sweat and mammary gland ducts.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: EDC-11
Immunogen	A synthesized peptide derived from human Cytokeratin 16
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

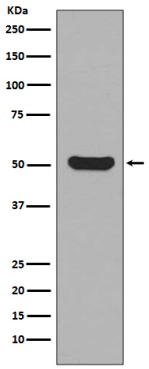
Protein Information

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).

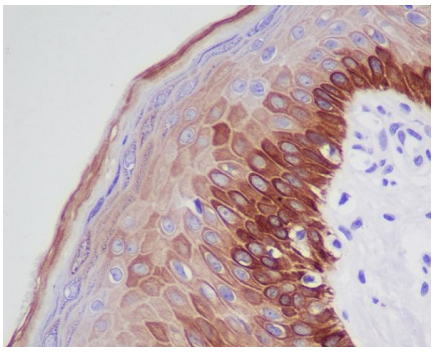
Images



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Western blot analysis of Cytokeratin 16 expression in HaCat cell lysate.



Immunohistochemical analysis of paraffin-embedded human skin, using Cytokeratin 16 Antibody.

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