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Anti-Cytokeratin 5, Rabbit Monoclonal Antibody

Rabbit Monoclonal Antibody
Catalog # ABV11830

Product Information

Application	WB, IHC
Primary Accession	P13647
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	62378

Additional Information

Gene ID	3852
Positive Control	WB: A431 cell lysate; IHC: human tonsil tissue
Application & Usage	IHC: 1:100 dilution; WB: 1:1000 dilution
Alias Symbol	KRT5
Other Names	Keratin type II cytoskeletal 8, Cytokeratin-8, CK-8, Keratin-8, K8, KRT8, CYK8, KO, CK8, K2C8, CARD2
Appearance	Colorless liquid
Formulation	In 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-Cytokeratin 5, Rabbit Monoclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

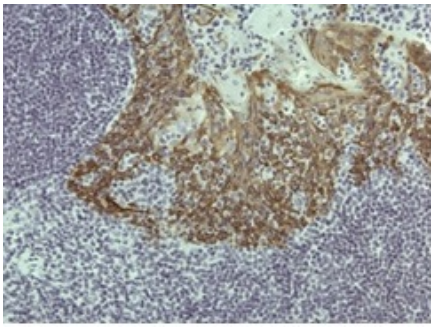
Name	KRT5 (HGNC:6442)
Function	Structural component of intermediate filaments in basal keratinocytes of stratified epithelia. Forms heteropolymers with type I partners including KRT14 and KRT15, contributing to the formation of the keratin intermediate filament network that provides mechanical stability and resilience to the basal layer of the epidermis (PubMed:1372711, PubMed:1694855). Regulates the recruitment of Langerhans cells to the epidermis, potentially by modulation of the abundance of macrophage chemotactic cytokines, macrophage inflammatory cytokines and CTNND1 localization in keratinocytes (By similarity).

Cellular Location	Cytoplasm.
Tissue Location	Expressed in corneal epithelium (at protein level) (PubMed:26758872). Expressed in keratinocytes (at protein level) (PubMed:20128788, PubMed:31302245).

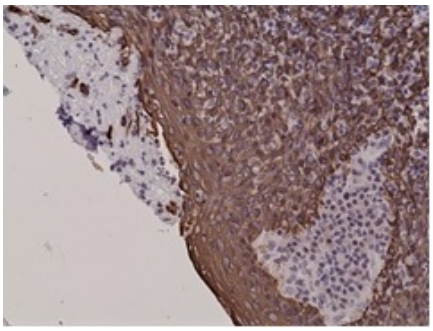
Background

Keratin 8 (KRT8) belongs to the type B (basic) subfamily of high molecular weight keratins and exists in combination with keratin 18. Keratin 8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies that recognize only cytokeratin polypeptides 8 and 18.

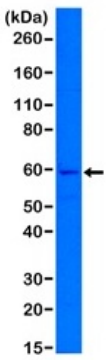
Images



Immunohistochemical staining of FFPE human tonsil tissue sections, using anti-Cytokeratin 5 rabbit monoclonal antibody.



Immunohistochemical staining of FFPE human tonsil tissue sections, using anti-Cytokeratin 5 rabbit monoclonal antibody.



Western blot of A431 cell lysates using anti-Cytokeratin 5 rabbit monoclonal antibody showed a band of Cytokeratin 5 expressed in A431 cells.

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