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

Cytokeratin 5 Antibody

Rabbit mAb
Catalog # AP90655

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	P13647
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	58 kDa cytokeratin; CK-5; CK5; Cytokeratin-5; DDD1; EBS2; K2C5; K5; keratin 5; Krt5;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	62378

Additional Information

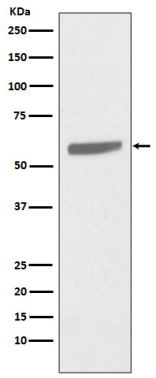
Dilution	WB 1:5000~1:10000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Cytokeratin 5
Description	The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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).

Images



Western blot analysis of Cytokeratin 5 expression in A431 cell lysate.

Image not found : 202311/AP90655-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human skin, using Cytokeratin 5 Antibody.

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