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# Cytokeratin 5 (C-term) Antibody

Rabbit mAb
Catalog # AP90190

## Product Information

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|---|---|
| **Application** | WB, IHC, IF, ICC, IHF |
| **Primary Accession** | P13647 |
| **Reactivity** | Human, Mouse |
| **Clonality** | Monoclonal |
| **Other Names** | CK-5; CK5; Cytokeratin-5; DDD; EBS2; K2C5; K5; keratin 5; keratin 5 Keratin, type II; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 62378 |

## Additional Information

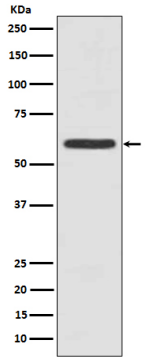
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|---|---|
| **Dilution** | WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human Cytokeratin 5 (C-term) |
| **Description** | The protein encoded 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. |
| **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

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| **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/AP90190-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human urithelial carcinoma, using Cytokeratin 5 (C-term) Antibody.

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