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# Cytokeratin 6 Antibody

Rabbit mAb
Catalog # AP90742

## Product Information

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|---|---|
| **Application** | WB, IHC, IF, ICC, IHF |
| **Primary Accession** | P02538 |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Other Names** | CK 6A; CK 6B; CK 6C; CK 6D; CK 6E; CK-6C; CK-6E; Cytokeratin 6a; Cytokeratin 6B; Cytokeratin 6C; Cytokeratin 6D; Cytokeratin 6E; Cytokeratin-6C; Cytokeratin-6E; K6a keratin; K6b keratin; K6C; K6c keratin; K6d keratin; K6e keratin; Keratin K6h; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 60045 |

## 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 6 |
| **Description** | Keratins (cytokeratins) are intermediate filament proteins that are mainly expressed in epithelial cells. Involved in the activation of follicular keratinocytes after wounding, while it does not play a major role in keratinocyte proliferation or migration. Participates in the regulation of epithelial migration by inhibiting the activity of SRC during wound repair. |
| **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

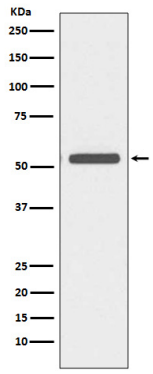
| | |
|---|---|
| **Name** | KRT6A ( HGNC:6443) |
| **Synonyms** | K6A, KRT6D |
| **Function** | Structural component of intermediate filaments in epithelial keratinocytes. Forms heteropolymers with the type I keratins KRT16 and KRT17, assembling into keratin intermediate filament networks that contribute to the structural integrity and stress resilience of stratified epithelia, particularly in epidermis, nail bed and oral mucosa (PubMed:11886499, PubMed:17719747, PubMed:7545493). Rapidly induced in wound-edge keratinocytes and participates in cytoskeletal reorganization during re-epithelialization (By similarity). Negatively regulates collective keratinocyte migration by stabilizing non-muscle myosin MYH9 and desmoplakin, thereby altering cell-cell and |

cell-matrix adhesion and reducing the speed and directionality of epithelial sheet movement during wound repair (By similarity). Also limits epithelial migration by inhibiting SRC activity during wound repair (By similarity). Required for normal plantar and nail unit integrity (PubMed:11886499, PubMed:17719747, PubMed:7545493).

**Cellular Location** Cytoplasm {ECO:0000250|UniProtKB:P50446}.

**Tissue Location** Expressed in the corneal epithelium (at protein level).

## Images




Western blot analysis of Cytokeratin 6 expression in A431 cell lysate.

Image not found : 202311/AP90742-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human lung cancer, using Cytokeratin 6 Antibody.

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