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Anti-KRT6A / CK6A / Cytokeratin 6A Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18534

Product Information

Application	IHC-P, E
Primary Accession	P02538
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	60045
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	3853
Alias Symbol	KRT6A
Other Names	KRT6A, Allergen Hom s 5, CK6A, CK-6D, CK6C, Cytokeratin 6C, Cytokeratin-6A, Cytokeratin-6D, CK-6A, Cytokeratin 6A, K6D, Keratin 6 isoform k6d, Keratin 6D, Keratin-6A, Type-II keratin Kb6, CK6D, Cytokeratin 6D, K6A, K6C, Keratin 6 isoform k6a, Keratin ...
Target/Specificity	Human KRT6A / Cytokeratin 6A.
Reconstitution & Storage	Caprylic acid and ammonium sulfate precipitation
Precautions	Anti-KRT6A / CK6A / Cytokeratin 6A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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 contributes 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 palmoplantar, nail unit and oral mucosa integrity (PubMed:11886499, PubMed:17719747, PubMed:7545493).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:P50446}.
Tissue Location	Expressed in the corneal epithelium (at protein level).