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Anti-Cytokeratin 6 Antibody

Catalog # AP54133

Product Information

Application	WB
Primary Accession	P02538
Other Accession	P04259, P48668
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	60045

Additional Information

Gene ID	3853
Other Names	KRT6A; K6A; KRT6D; Keratin type II cytoskeletal 6A; Cytokeratin-6A; CK-6A; Cytokeratin-6D; CK-6D; Keratin-6A; K6A; Type-II keratin Kb6; allergen Hom s 5; KRT6B; K6B; KRTL1; Keratin type II cytoskeletal 6B; Cytokeratin-6B; CK-6B; Keratin-6B; K6B; Type-II keratin Kb10; KRT6C; KRT6E; Keratin type II cytoskeletal 6C; Cytokeratin-6C; CK-6C; Cytokeratin-6E; CK-6E; Keratin K6h; Keratin-6C; K6C; Type-II keratin Kb12
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence of human Cytokeratin 6. The exact sequence is proprietary.
Dilution	WB~~1/1000 - 1/2000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

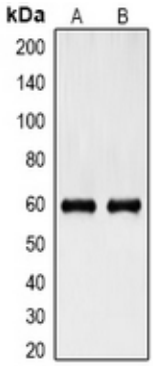
Name	KRT6A (HGNC:6443)
Synonyms	K6A, KRT6D
Function	Structural component of intermediate filaments in epithelial keratinocytes. Forms heteropolymers with the type I keratins KRT16 and KRT17, assembling into keratin intermediate filament networks that contribute to the structural integrity and stress 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 Hela (A), HepG2 (B) whole cell lysates. (Predicted band size: 60 kD; Observed band size: 60 kD)

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