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Anti-Cytokeratin 6 Rabbit Monoclonal Antibody

Catalog # ABO14152

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P02538
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-Cytokeratin 6 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

Additional Information

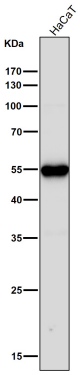
Gene ID	3853
Other Names	Keratin, type II cytoskeletal 6A, Cytokeratin-6A, CK-6A, Cytokeratin-6D, CK-6D, Keratin-6A, K6A, Type-II keratin Kb6, Hom s 5, KRT6A, K6A, KRT6D
Calculated MW	60045
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Tissue Specificity	Constitutively expressed in distinct types of epithelia such as those in oral mucosa, esophagus, papillae of tongue and hair follicle outer root sheath.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: GAO-11
Immunogen	A synthesized peptide derived from human Cytokeratin 6
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

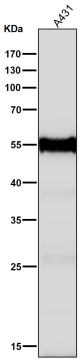
Name	KRT6A (HGNC:6443)

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

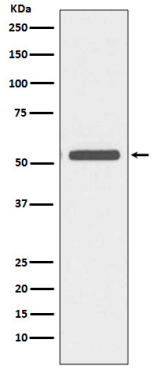


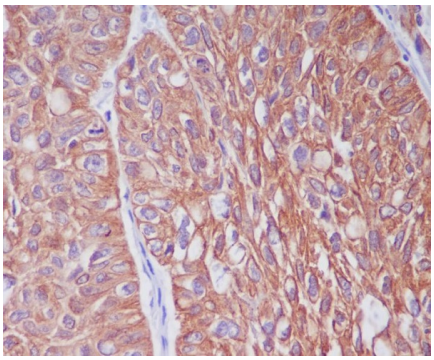
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



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





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

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