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Cytokeratin 6 Recombinant Rabbit mAb

Catalog # AP100066

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P48668
Other Accession	P48668
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	60025
Physical State	Liquid
Immunogen	A synthesized peptide derived from human Cytokeratin 6
Epitope Specificity	500-564
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the intermediate filament family.
SUBUNIT	Heterodimer of a type I and a type II keratin. KRT6 isomers associate with KRT16 and/or KRT17. Interacts with TCHP.
DISEASE	Defects in KRT6A are a cause of pachyonychia congenital type 1 (PC1) [MIM:167200]; also known as Jadassohn-Lewandowsky syndrome. PC1 is an autosomal dominant ectodermal dysplasia characterized by hypertrophic nail dystrophy resulting in onchyogryposis (thickening and increase in curvature of the nail), palmoplantar keratoderma, follicular hyperkeratosis, and oral leukokeratosis. Hyperhidrosis of the hands and feet is usually present.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Epidermis-specific type I keratin involved in wound healing. 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.

Additional Information

Gene ID	286887
Other Names	K6E; KRT6E; PPKNEFD; 2310016L08Rik; CK-6A; K6A; K6[a]; Krt2-6a; Krt2-6c; MK6a; mK6[a]; K2C6C_HUMAN; KRT6C; Cytokeratin-6C (CK-6C); Cytokeratin-6E (CK-6E); Keratin K6h; Keratin-6C (K6C); Type-II keratin Kb12; K2C6A_MOUSE; Krt6a; Cytokeratin-6A (CK-6A); Keratin-6-alpha (mK6-alpha); Keratin-6A (K6A); Ker2; Krt2-6; Krt6; keratin 6C; keratin 6E; keratin 6C, type II
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1:50-100

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	KRT6C (HGNC:20406)
Synonyms	KRT6E
Function	Structural component of intermediate filaments in epithelial keratinocytes. Forms heteropolymers with the type I keratins, likely including KRT16 and KRT17, assembling keratin intermediate filament networks that contribute to the structural framework and mechanical resilience of stratified epithelia, particularly in palmoplantar epidermis.
Tissue Location	Constitutively expressed in distinct types of epithelia such as those in oral mucosa, esophagus, papillae of tongue and hair follicle outer root sheath.

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