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Anti-PCK Antibody (Monoclonal, C-11+PCK-26+CY-90+KS-1A3+M20+A53-B/A2)

Catalog # ABO10466

Product Information

Application	WB, IHC-P, IHC-F
Primary Accession	P04264
Host	Mouse
Isotype	Mouse IgG2a/ IgG1
Reactivity	Human, Rat
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for PCK detection. Tested with WB, IHC-P, IHC-F in Human;rat. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Gene ID	3848
Other Names	Keratin, type II cytoskeletal 1, 67 kDa cytokeratin, Cytokeratin-1, CK-1, Hair alpha protein, Keratin-1, K1, Type-II keratin Kb1, KRT1, KRTA
Calculated MW	66039
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.1-0.5 □g/ml, Human, rat, By Heat Immunohistochemistry(Frozen Section), 0.1-0.5 □g/ml, Human, rat, - Western blot, 1-2 □g/ml, Human, rat
Subcellular Localization	Cell membrane . Located on plasma membrane of neuroblastoma NMB7 cells.
Tissue Specificity	The source of this protein is neonatal foreskin. The 67-kDa type II keratins are expressed in terminally differentiating epidermis.
Source	Eukaryota
Protein Name	Keratin, type II cytoskeletal 1
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.
Clone Names	C-11+PCK-26+CY-90+KS-1A3+M20+A53-B/A2

Immunogen	mixture of several monoclonal cytokeratin clones.
Purification	Ascites
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the intermediate filament family.

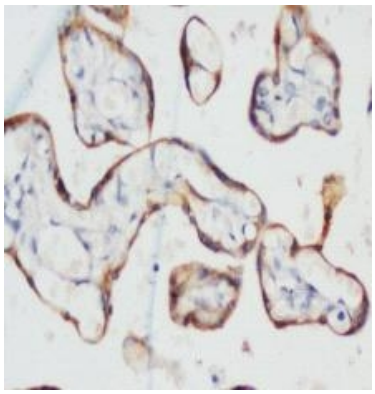
Protein Information

Name	KRT1 (HGNC:6412)
Synonyms	KRTA
Function	Structural component of intermediate filaments in suprabasal keratinocytes of stratified epithelia. Forms heteropolymers with a type I keratin, assembling into keratin intermediate filament networks that provide mechanical strength and structural stability to differentiating epidermal cells (PubMed:1381288). May regulate the activity of kinases such as PKC and SRC by interacting with integrin beta-1 (ITB1) and the receptor of activated protein C kinase 1 (RACK1) (PubMed:17956333, PubMed:21544310). In complex with C1QBP, acts as a high-affinity receptor for kininogen-1 (HMWK) (PubMed:21544310).
Cellular Location	Cell membrane. Cytoplasm
Tissue Location	The source of this protein is neonatal foreskin. The 67-kDa type II keratins are expressed in terminally differentiating epidermis

Background

Monoclonal anti cytokeratins are specific markers of epithelial cell differentiation and have been widely used as tools in tumor identification and classification. Monoclonal Anti Pan Cytokeratin(mixture) is a broadly reactive reagent, which recognizes epitopes present in most human epithelial tissues.

Images



Anti-PCK antibody (monoclonal), ABO10466, IHC(P)IHC(P): Human Placenta Tissue