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Anti-PCK-26 Antibody (Monoclonal, PCK-26)

Catalog # ABO10467

Product Information

Application	WB, IHC-P, IHC-F
Primary Accession	Q10758
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for PCK-26 detection. Tested with WB, IHC-P, IHC-F in Human;mouse;rat. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Gene ID	25626
Other Names	Keratin, type II cytoskeletal 8, Cytokeratin endo A, Cytokeratin-8, CK-8, Keratin-8, K8, Type-II keratin Kb8, Krt8, Krt2-8
Calculated MW	54019
Application Details	Immunohistochemistry(Paraffin-embedded Section), 1-2 □g/ml, Human, mouse, rat, By Heat Immunohistochemistry(Frozen Section), 1-2 □g/ml, Human, mouse, rat, - Western blot, 0.5-1 □g/ml, Human, mouse, rat
Subcellular Localization	Cytoplasm . Nucleus, nucleoplasm . Nucleus matrix .
Tissue Specificity	Expressed in cardiac and striated muscle. Expressed at Z-lines within the muscle fibers and at Z-line and M- line domains at costameres at the sarcolemmal membrane (at protein level). Observed in coagulating gland, bladder, salivary gland, kidney, spleen, thymus, lung and heart. Also observed in ventral prostate, seminal vesicle and liver where expression increases following castration. .
Source	Eukaryota
Protein Name	Keratin, type II cytoskeletal 5
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.

Clone Names	PCK-26
Immunogen	Cytokeratin from human epidermis.
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	Krt8 {ECO:0000312|RGD:2984}
Synonyms	Krt2-8
Function	Structural component of intermediate filaments in simple epithelial cells. Together with its obligate type I partner KRT18, contributes to the formation of the keratin intermediate filament network that provides mechanical stability and resilience to epithelial cells (PubMed:1691189). Also involved in maintaining epithelial integrity and protecting cells from non-mechanical stress, such as apoptosis (By similarity). Also required for ARHGEF40-mediated actin stress fiber formation and tensional force-induced stress fiber formation and reinforcement (By similarity). In striated muscle, together with KRT19, may contribute to linking the contractile apparatus to dystrophin at the costameres (PubMed:15247274).
Cellular Location	Cytoplasm. Nucleus, nucleoplasm. Nucleus matrix. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:P05787}
Tissue Location	Expressed in cardiac and striated muscle. Expressed at Z-lines within the muscle fibers and at Z-line and M-line domains at costameres at the sarcolemmal membrane (at protein level). Observed in coagulating gland, bladder, salivary gland, kidney, spleen, thymus, lung and heart. Also observed in ventral prostate, seminal vesicle and liver where expression increases following castration

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.

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