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Anti-KRT8 / CK8 / Cytokeratin 8 Antibody (aa41-90)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18064

Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P05787
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	53704

Additional Information

Gene ID	3856
Alias Symbol	KRT8
Other Names	KRT8, CARD2, CK-8, CYK8, Cytokeratin-8, CK8, K2C8, K8, KO, Keratin-8, Type-II keratin Kb8, Cytokeratin 8, Keratin 8
Target/Specificity	Keratin 8 Antibody detects endogenous levels of total Keratin 8 protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-KRT8 / CK8 / Cytokeratin 8 Antibody (aa41-90) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KRT8 (HGNC:6446)
Synonyms	CYK8
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:26823019). 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 (PubMed:26823019). In striated muscle, together with KRT19, may contribute to linking the contractile apparatus to dystrophin at the costameres (PubMed:16000376).
Cellular Location	Cytoplasm. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q10758}.

	Nucleus matrix {ECO:0000250|UniProtKB:Q10758}. Cytoplasm, cytoskeleton
Tissue Location	Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.

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