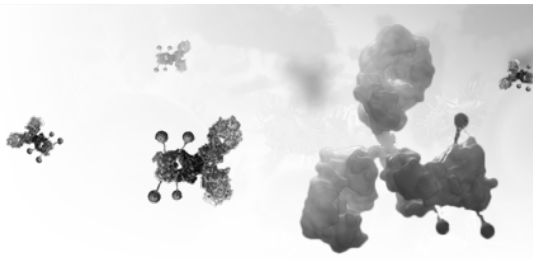

Rabbit Anti-CytoKeratin monoclonal antibody, clone TV1449 (CABT-L647)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Cytokeratin 8+18
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Clone	TV1449
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	53 kDa
Cellular Localization	Cytoplasm, Nucleus, Nucleus matrix.
Positive Control	A431, MCF-7, Hela, HepG2, human liver tissue, human breast carcinoma tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. They have been found to be useful markers of tissue differentiation, which is directly applicable to the characterization of malignant tumors. Cytokeratin 8 expression is seen in epithelium and epithelium-derived tumors. The Cytokeratin 8 and 18 pair are normally expressed in simple epithelia, but not in stratified epithelial cells. Research indicates that squamous cell carcinomas derived from stratified epithelia show abnormal expression of Cytokeratin 8 and 18, although it is not known whether these proteins contribute to the malignant phenotype of the cells. Expression of Cytokeratin 8 and 18 in oral squamous cell carcinomas is an independent prognostic marker that indicates a poor prognosis. Cytokeratin 8 expression correlates with malignancy in leukoplakia and carcinomas of the head and neck; it is expressed in all non-small-cell lung cancers. Cytokeratin 8 has been shown to possess extracellular epitopes on tumor cells, which may represent valuable targets for therapy.
Keywords	CARD2;Cell proliferation inducing gene 46 protein;Cell proliferation inducing protein 46;CK 8;CK-8;CK18;CK8;CYK18;CYK8;Cytokeratin 18;Cytokeratin 8;Cytokeratin-8;K18;K2C8;K2C8_HUMAN;K8;Keratin 18;Keratin 8;Keratin;Keratin type I cytoskeletal 18;keratin type II cytoskeletal 8;Keratin-8;KO;KRT18;KRT8;type II cytoskeletal 8;Type-II keratin Kb8 antibody

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