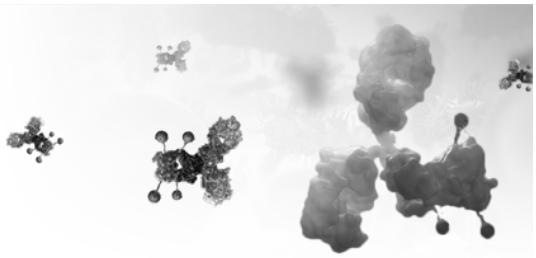

Rabbit Anti-KRT monoclonal antibody, clone TO83-19 (CABT-L745)

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

PRODUCT INFORMATION

Target	Cytokeratin 1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TO83-19
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC
Molecular Weight	72 kDa
Cellular Localization	Cell membrane.
Positive Control	Mouse skin 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 constitute up to 85% of a mature keratinocytes in the vertebrate epidermis. Cytokeratins play a critical role in differentiation and tissue specialization, and they function to maintain the overall structural integrity of epithelial cells. The alpha-helical coiled-coil dimers associate laterally end-to-end to form 10-nm diameter filaments. Cytokeratins are useful markers of tissue differentiation, and they aid in the characterization of malignant tumors. Cytokeratin 1 is highly expressed in several malignancies including epithelioid hemangioendohtheliomas, angiosarcomas, schwannomas, epithelioid sarcomas and synodal sarcomas. The gene encoding human Cytokeratin 1 maps to chromosome 12q13.13. Mutations in the gene encoding human Cytokeratin 1 lead to abnormal filament associations and epidermolytic hyperkeratosis.
Keywords	67 kDa cytokeratin;CK-1;CK1;Cytokeratin-1;Cytokeratin1;EHK;EHK1;Epidermolytic hyperkeratosis 1;EPPK;Hair alpha protein;K1;K2C1_HUMAN;Keratin;Keratin type II cytoskeletal 1;Keratin-1;Keratin1;KRT 1;Krt1;KRT1A;NEPPK;type II cytoskeletal 1;Type II keratin Kb1;Type-II keratin Kb1 antibody

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