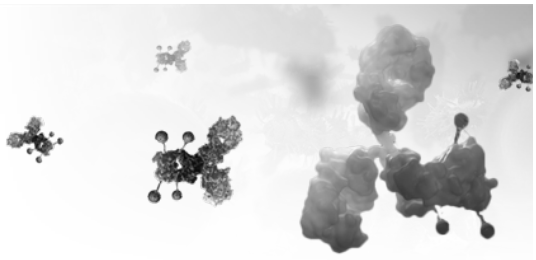

Rat Anti-KRT7 monoclonal antibody, clone 8E4 (CABT-RM175)

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

PRODUCT INFORMATION

Specificity	Detects human Cytokeratin-7. It targets an epitope with in the extracellular domain.
Target	KRT7
Immunogen	Whole cytotrophoblast cells from 1st trimester human placenta.
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Human
Clone	8E4
Purification	Protein G purified
Conjugate	unconjugated
Applications	ICC, IHC
Epitope	extracellular domain
Molecular Weight	51.38 kDa calculated.
Format	Liquid
Size	200 µl
Buffer	0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl
Preservative	0.05% sodium azide

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Storage	Stable for 1 year at 2-8°C from date of receipt.

BACKGROUND

Introduction	Keratin, type II cytoskeletal 7 is encoded by the KRT7 gene in human. Cytokeratins are intermediate filament proteins present in epithelial cells. They are expressed in a tissue-specific manner in normal organs and the tumors that arise from them. CK-7 is a type II basic low molecular weight cytokeratin that is found in simple epithelia in a variety of organs. Its expression is reported in bronchial and mesothelial cells, but is absent in colon, ectocervix, and liver. It is also observed throughout the glandular cells in the junction between stomach and esophagus. However, it is absent in the esophagus. CK-7 is also typically expressed in tumor cells of mammary and extramammary Paget disease. CK-7 expression can be used to distinguish ovarian and gastrointestinal carcinomas, or transitional cell carcinomas and prostate cancer.
Keywords	KRT7; keratin 7, type II; K7; CK7; SCL; K2C7; keratin, type II cytoskeletal 7; CK-7; keratin-7; sarcolectin; cytokeratin 7; cytokeratin-7; type-II keratin Kb7; type II mesothelial keratin K7; keratin, 55K type II cytoskeletal; keratin, simple epithelial type I, K7

GENE INFORMATION

Entrez Gene ID	3855
UniProt ID	P08729

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