

Rabbit Cytokeratin 8 (KRT8) Monoclonal Antibody | anti-KRT8 antibody

Cytokeratin 8 (KRT8)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214416	Rabbit	Human, Sheep, Rabbit, Cow, Pig. Does not react with Mouse, Rat, Chicken and Xenopus laevis.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

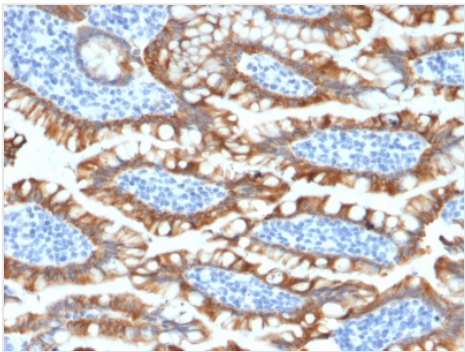
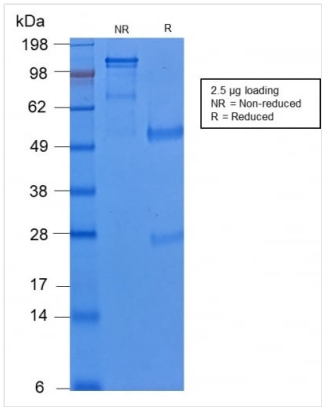
PRODUCT SYNONYMS

Cytokeratin 8 (KRT8); Monoclonal Antibody; CARD2; CK8; CYK8; CYKER; Cytokeratin Endo A; DreK8; EndoA; K2C8; K8; Keratin 8; Krt 2.8; KRT8; Type-II Keratin Kb8; anti-KRT8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Sheep, Rabbit, Cow, Pig. Does not react with Mouse, Rat, Chicken and Xenopus laevis.
Clonality	Monoclonal
Isotype	IgG
Clone Number	KRT8/2174R
Specificity	Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). CK8 is primarily found in the non-squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies that recognize only cytokeratin 8 and 18. CK8 exists on several types of normal and neoplastic epithelia, including many ductal and glandular epithelia such as colon, stomach, small intestine, trachea, and esophagus as well as in transitional epithelium. Anti-CK8 does not react with skeletal muscle or nerve cells. Epithelioid sarcoma, chordoma, and adamantinoma show strong positivity corresponding to that of simple epithelia (with antibodies against CK8, CK18 and CK19). Reportedly, anti-CK8 is useful for the differentiation of lobular (ring-like, perinuclear) from ductal (peripheral-predominant) carcinoma of the breast.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	483
Applicable Applications for anti-KRT8 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Cytoskeletal preparation from HeLa cells
Cellular Localization	Cytoplasmic
Hu-chromosome Location	12q13.13
Positive Control	MCF-7 or A431 cells. Skin, Colon, lung or breast carcinoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Small Intestine stained with Cytokeratin 8 Rabbit Recombinant Monoclonal Antibody (KRT8/2174R).

SDS-PAGE
SDS-PAGE Analysis of Purified Cytokeratin 8 Rabbit Recombinant Monoclonal Antibody (KRT8/2174R).

ADDITIONAL INFORMATION

References	Bartek et al. J. Pathology, 164:215-24 (1991). Kovarik et al. J.Tumor Marker Oncol. 5: 219 (1990). Vojtsek et al. Folia Biol.35: 373-382 (1989).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	372466577
NCBI GeneID	3856
NCBI Accession #	NP_001243222.1
NCBI GenBank Nucleotide #	NP_001243222.1
UniProt Accession #	P05787; Q14099; Q14716; Q14717; Q53GJ0; Q6DHW5; Q6GMY0; Q6P4C7; Q96J60; A8K4H3; B0AZN5; F8VXB4
Molecular Weight	52.5kDa
NCBI Official Full Name	keratin, type II cytoskeletal 8 isoform 2
NCBI Official Synonym Full Names	keratin 8
NCBI Official Symbol	KRT8
NCBI Official Synonym Symbols	K8; KO; CK8; CK-8; CYK8; K2C8; CARD2
NCBI Protein Information	keratin, type II cytoskeletal 8
UniProt Protein Name	Keratin, type II cytoskeletal 8
UniProt Gene Name	KRT8
UniProt Synonym Gene Names	CYK8; CK-8; K8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.