Datasheet for ABIN6939880

anti-KRT8 antibody

5 Images

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Overview

Quantity:	100 µg
Target:	KRT8
Reactivity:	Human, Cow, Rabbit, Pig, Sheep
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT8 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (IHC), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Cytoskeletal preparation from HeLa cells
Clone:	B22-1
Isotype:	IgG1 kappa
No Cross-Reactivity:	Chicken, Mouse (Murine), Rat (Rattus), Xenopus laevis
Purification:	Purified by Protein A/G

Target Details

Target:	KRT8
Alternative Name:	KRT8 (KRT8 Products)
Background:	Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight

Target Details

	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.
Molecular Weight:	52.5kDa
Gene ID:	3856
UniProt:	P05787

Application Details

Application Notes:	Positive Control: MCF-7 or A431 cells. Skin, colon, lung or breast carcinoma. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

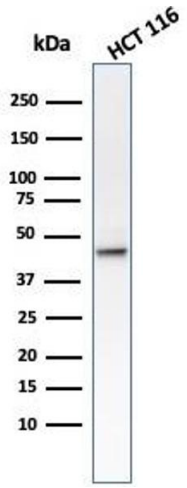
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Handling

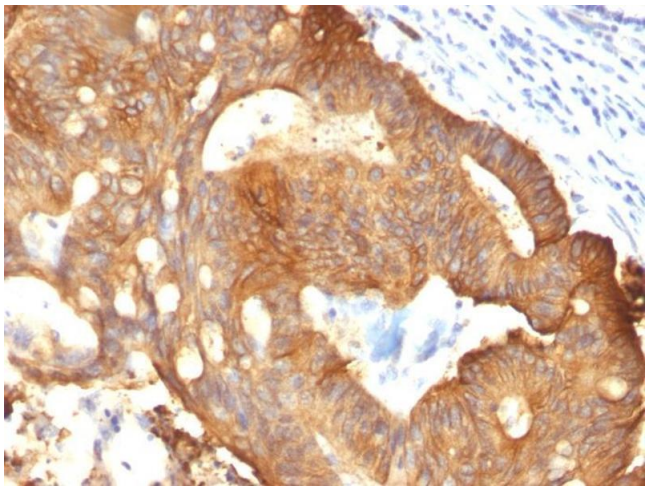
Expiry Date:	24 months

Images



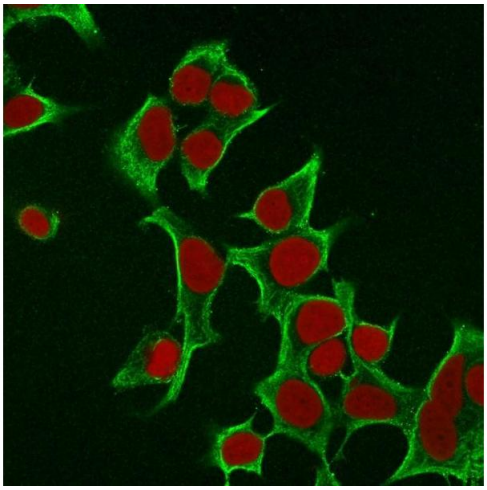
Western Blotting

Image 1. Western Blot analysis of HCT116 cell lysate using Cytokeratin 8 Mouse Monoclonal Antibody (B22.1).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded Colon Carcinoma stained with Cytokeratin 8 Mouse Monoclonal Antibody (B22.1).



Immunofluorescence

Image 3. Immunofluorescence Analysis of MCF cells labeling Cytokeratin 8 withKRT8 Mouse Monoclonal Antibody (B22.1) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is RedDot (Red).

Please check the product details page for more images. Overall 5 images are available for ABIN6939880.