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Datasheet for ABIN6941412

Recombinant anti-Cytokeratin 2 antibody

2 Images

Overview

Quantity:	100 µg
Target:	Cytokeratin 2 (KRT76)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Solubilized keratin extract from human stratum corneum
Clone:	RKRTH-2148
Isotype:	IgG1 kappa
Specificity:	This antibody recognizes CK1, CK5, CK10 and CK14. In normal epithelia, it stains stratified epithelia, myoepithelial cells and basal cells in the prostate gland and bronchi. This MAb shows no reactivity with hepatocytes, pancreatic acinar cells, proximal renal tubules, or endometrial glands, there is no reactivity with cells derived from simple epithelia. Mesenchymal tumors, lymphomas, melanomas, neural tumors, and neuroendocrine tumors are negative with this antibody. It stains myoepithelial cells and has been shown to be useful in distinguishing prostate adenocarcinoma from benign prostate. This antibody has also been useful in separating benign from malignant intraductal breast proliferations.

Product Details

Purification: Purified by Protein A/G

Target Details

Target: Cytokeratin 2 (KRT76)

Alternative Name: KRT76 ([KRT76 Products](#))

Molecular Weight: 50-67kDa

Gene ID: 51350

UniProt: [Q01546](#)

Application Details

Application Notes: Positive Control: PC12 cells, Skin, Prostate carcinoma.
Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes 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.

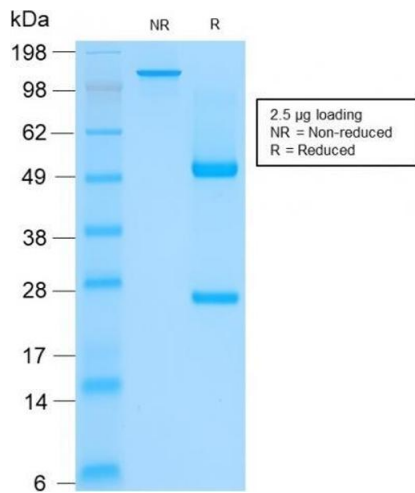
Preservative: Sodium azide

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

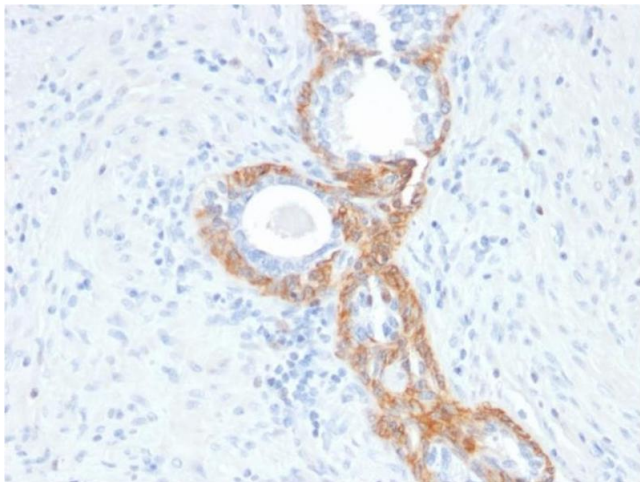
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified CK HMW Mouse Recombinant Monoclonal Antibody (rKRTH/2148). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with CK HMW Mouse Recombinant Monoclonal Antibody (rKRTH/2148).