

Datasheet for ABIN6939926

Recombinant anti-Cytokeratin 18 antibody



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3 Images

Overview

Quantity:	100 µg
Target:	Cytokeratin 18 (KRT18)
Reactivity:	Human, Mouse, Rat, Dog, Cat, Pig, Cow, Hamster, Sheep, Horse, Ferret, Goat, Marmoset
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Cytoskeletal preparation extracted from the human vulvar squamous carcinoma cell line A431
Clone:	RKRT18-1190
Isotype:	IgG1 kappa
Specificity:	This MAb reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid. Cytokeratin 18, which belongs to the type A (acidic) subfamily of low molecular weight keratins, exists in combination with cytokeratin 8. It was reported that tissues from gastrointestinal tract are positive for both cytokeratin 8 and 18 but do not contain cytokeratin 14. Tissues from gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.

Product Details

No Cross-Reactivity: Chicken, Xenopus laevis

Purification: Purified by Protein A/G

Target Details

Target: Cytokeratin 18 (KRT18)

Alternative Name: KRT18 ([KRT18 Products](#))

Molecular Weight: 45kDa

Gene ID: 3875

UniProt: [P05783](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: Positive Control: MCF-7 or HeLa cells (FACS/IF). Human breast carcinoma tissue (IHC).
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 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.

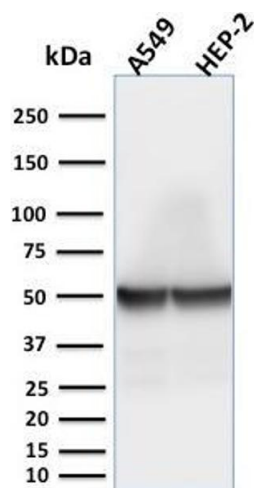
Preservative: Sodium azide

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

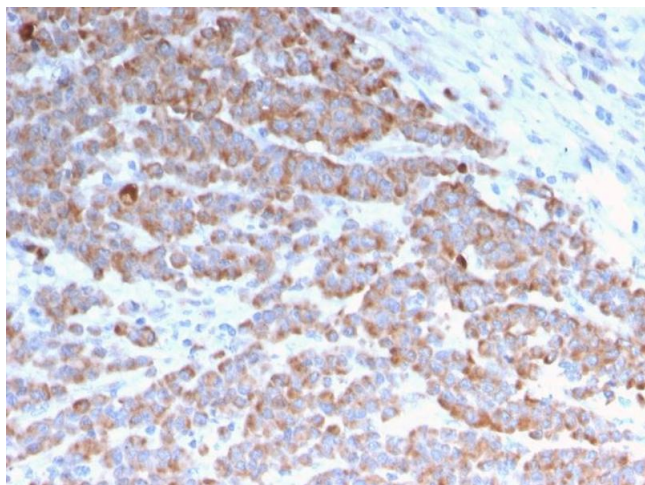
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



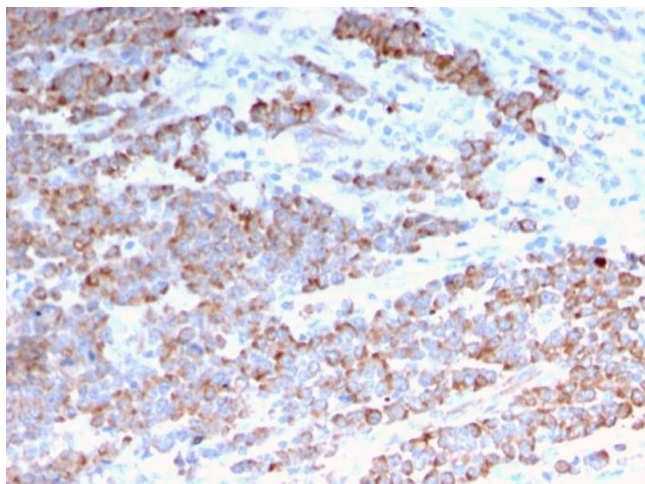
Western Blotting

Image 1. Western Blot Analysis of A549 and HEP-2 cell lysates using Cytokeratin 18 Mouse Monoclonal Antibody (rKRT18/1190).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 18 Mouse Monoclonal Antibody (rKRT18/1190).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 18 Mouse Monoclonal Antibody (rKRT18/1190).