

Datasheet for ABIN3026960
anti-Cytokeratin 18 antibody



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2 Images

Overview

Quantity:	100 µg
Target:	Cytokeratin 18 (KRT18)
Reactivity:	Human, Dog, Cat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A cytoskeletal preparation from A431 cells was used as the immunogen for the Cytokeratin 18 antibody.
Clone:	DE-K18
Isotype:	IgG1 kappa
No Cross-Reactivity:	Rat (Rattus)
Characteristics:	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

Product Details

as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.

Purification: Protein G affinity chromatography

Target Details

Target: Cytokeratin 18 (KRT18)

Alternative Name: Cytokeratin 18 ([KRT18 Products](#))

Background: 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.

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

Application Details

Application Notes: Optimal dilution of the Cytokeratin 18 antibody should be determined by the researcher.

1. 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 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Western blot: 0.5-1 µg/mL,Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 1-2 µg/mL,Immunohistochemistry (FFPE): 2-4 µg/mL for 30 min at RT (1),Prediluted format : incubate for 30 min at RT (2)

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

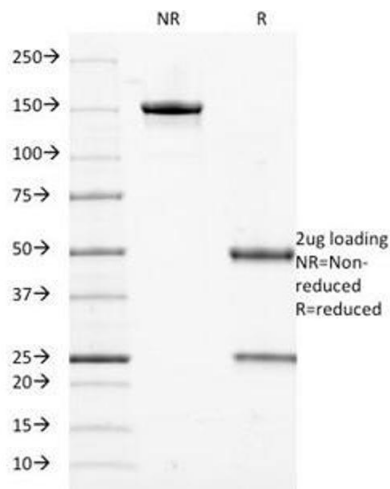
Preservative: Azide free

Storage: 4 °C,-20 °C

Handling

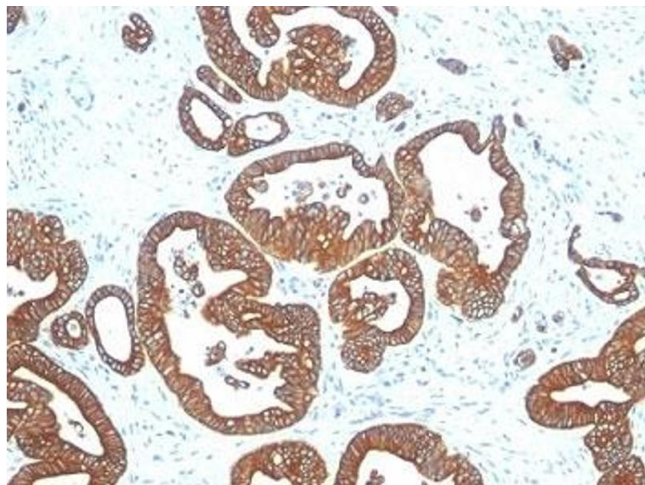
Storage Comment: Store the Cytokeratin 18 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified, BSA-Free Cytokeratin 18 Antibody (clone DE-K18). Confirmation of Integrity and Purity of the Antibody.



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 2. Formalin-fixed, paraffin-embedded human colon carcinoma stained with Cytokeratin 18 antibody (DE-K18).