

Datasheet for ABIN6941343
anti-Keratin 7/17 antibody

2 Images

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Overview

Quantity:	100 µg
Target:	Keratin 7/17 (KRT7/17)
Reactivity:	Human, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Keratin 7/17 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Cytoskeletal preparation from HeLa cells (human cervical carcinoma cells)
Clone:	C-46
Isotype:	IgG1 kappa
Specificity:	It recognizes intermediate filament proteins (IFP's) of 55 kDa and 46 kDa, which are identified as cytokeratin 7 and Cytokeratin 17 respectively. On formalin-fixed, paraffin embedded sections, C-46 reacts with keratin 7 only. Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation, which is directly applicable to the characterization of malignant tumors. Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia but not in the stratified squamous epithelia.

Product Details

Cytokeratin 7 is expressed in the epithelial cells of ovary, lung, and breast but not of colon, prostate, or gastrointestinal tract. Cytokeratin 17 is expressed in epithelial cells of various origins, such as bronchial epithelial cells and skin appendages. Cytokeratin 17 antibody marks basal cell differentiation.

No Cross-Reactivity: Ferret, Mouse (Murine), Rabbit, Rat (Rattus)

Purification: Purified by Protein A/G

Target Details

Target: Keratin 7/17 (KRT7/17)

Alternative Name: KRT7 & KRT17 ([KRT7/17 Products](#))

Molecular Weight: 55kDa (CK7), 46kDa (CK17)

Gene ID: 3855, 3872

UniProt: [P08729](#), [Q04695](#)

Application Details

Application Notes: Positive Control: HeLa or ME-180 cells. Skin or hepatocellular carcinoma.
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1.0 µg/mL), Western Blot (0.5-1.0 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

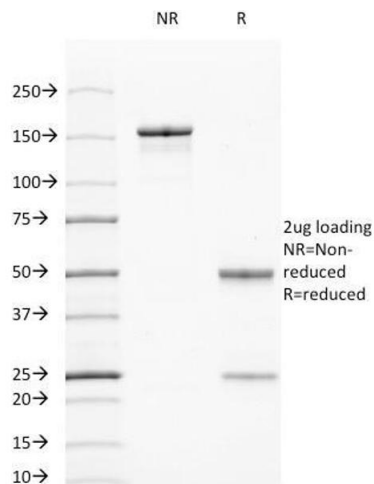
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Handling

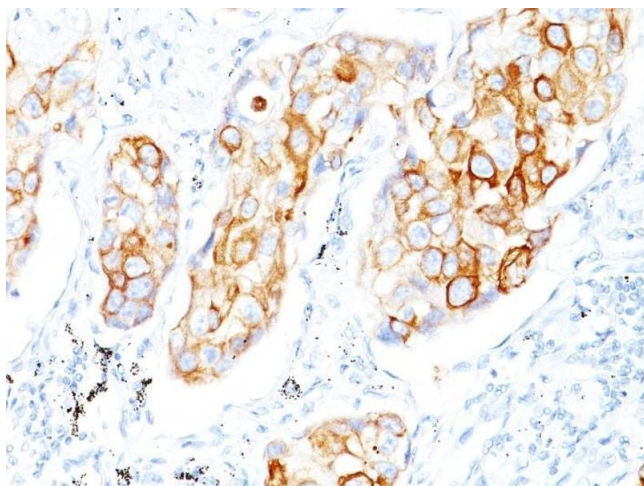
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Images



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Cytokeratin 7/17 Mouse Monoclonal Antibody (C-46). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Lung SCC stained with Cytokeratin 7/17 Mouse Monoclonal Antibody (C-46).