Datasheet for ABIN3023844

anti-Keratin Basic antibody

3 Images

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Overview

Quantity:	100 µg
Target:	Keratin Basic
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), ELISA

Product Details

Immunogen:	Recombinant human KRT76 protein was used as the immunogen for the Basic Cytokeratin antibody.
Clone:	KRTH-1076
Isotype:	IgG1 kappa
Characteristics:	This mAb recognizes basic (Type II or HMW) cytokeratins, which include 67 kDa (CK1), 64 kDa (CK3), 59 kDa (CK4), 58 kDa (CK5), 56 kDa (CK6), 52 kDa (CK8). Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. The acidic keratins have molecular weights (MW) of 56.5, 55, 51, 50, 50 , 48, 46, 45, and 40 kDa. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis.
Purification:	Protein G affinity chromatography

Target Details

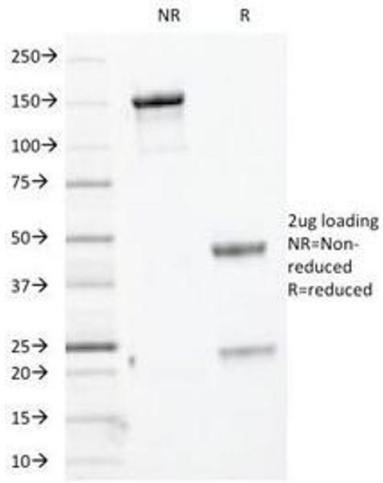
Target:	Keratin Basic
Alternative Name:	Basic Cytokeratin (Keratin Basic Products)
Background:	This mAb recognizes basic (Type II or HMW) cytokeratins, which include 67 kDa (CK1), 64 kDa (CK3), 59 kDa (CK4), 58 kDa (CK5), 56 kDa (CK6), 52 kDa (CK8). Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. The acidic keratins have molecular weights (MW) of 56.5, 55, 51, 50, 50 , 48, 46, 45, and 40 kDa. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis.

Application Details

Application Notes:	Optimal dilution of the Basic Cytokeratin 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.\. ELISA (For coating order Ab without BSA)Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 1-2 µg/mL,Western blot: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 0.25-0.5 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
Storage Comment:	Store the Basic Cytokeratin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified, BSA-Free Basic Cytokeratin Antibody (clone KRTH/1076). Confirmation of Integrity and Purity of the Antibody.

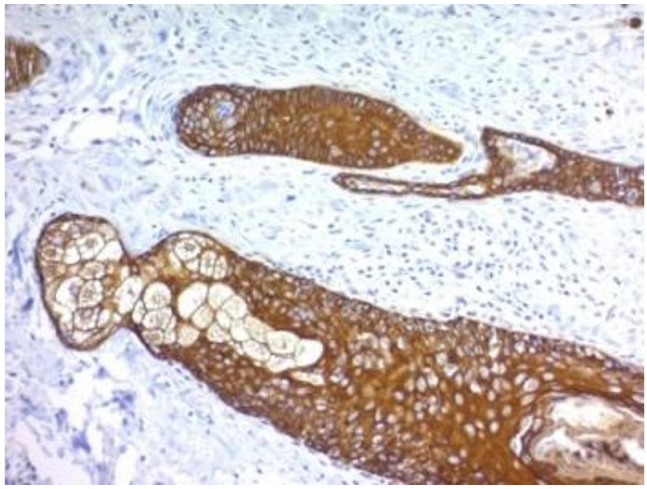


Image 2. Formalin paraffin human skin stained with Basic Cytokeratin antibody (KRTH/1076).

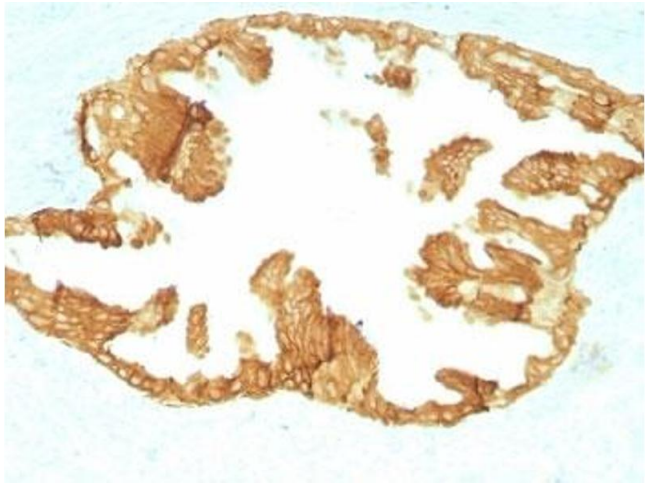


Image 3. Formalin paraffin rat oviduct with Basic Cytokeratin antibody (KRTH/1076).