Datasheet for ABIN3023883

anti-Keratin Acidic (AE1) antibody

2 Images

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Overview

Quantity:	100 µg
Target:	Keratin Acidic (AE1)
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Immunofluorescence (IF), Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant human KRT77 protein was used as the immunogen for the Acidic Cytokeratin antibody.
Clone:	KRTL-1077
Isotype:	IgG1 kappa
Characteristics:	This mAb recognizes the 56.5 kDa (CK10), 50 kDa (CK14), 50 kDa (CK15), 48 kDa (CK16), 40 kDa (CK19) keratins of the acidic (Type I or LMW) subfamily. 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 Acidic (AE1)
Alternative Name:	Acidic Cytokeratin (AE1 Products)
Background:	This mAb recognizes the 56.5 kDa (CK10), 50 kDa (CK14), 50 kDa (CK15), 48 kDa (CK16), 40 kDa (CK19) keratins of the acidic (Type I or LMW) subfamily. 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 Acidic 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.\. 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): 0.5-1 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 Acidic Cytokeratin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

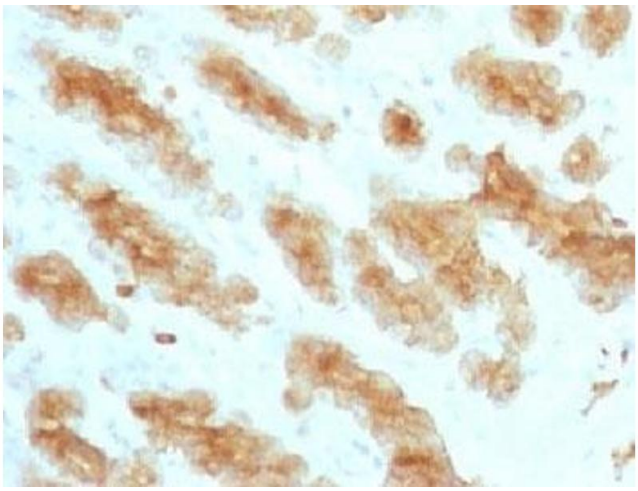

Image 1. Formalin paraffin rat stomach with Acidic Cytokeratin antibody (KRTL/1077).

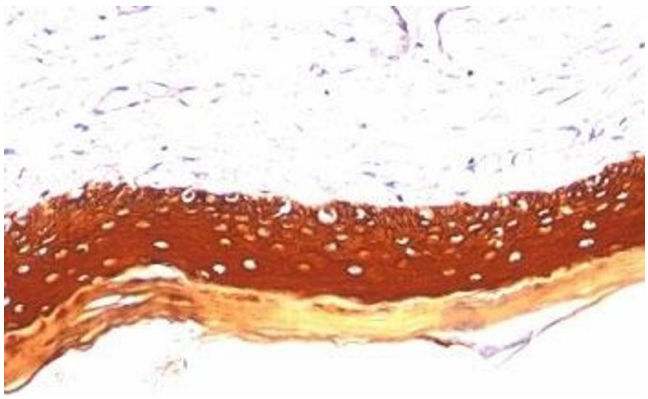

Image 2. Formalin paraffin human skin stained with Acidic Cytokeratin antibody (KRTL/1077).