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antibody and ELISA experts

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Anti-Keratin KRT6C Monoclonal Antibody

Catalog Number: M07078

About KRT6C

Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. There are two types of keratins (cytoskeletal and microfibrillar) and are clustered in a region of chromosome. Cytokeratins (CK) are intermediate filaments of epithelial cells, both in keratinizing tissue (i.e. skin) and non-keratinizing cells (i.e. mesothelial). Anti-Keratin Antibody is useful for researchers interested in cytoskeletal signaling and developmental biology research.

Overview

Product Name	Anti-Keratin KRT6C Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Keratin KRT6C Monoclonal Antibody (Catalog # M07078). Tested in ELISA, IF, IHC, WB applications. This antibody reacts with Human.
Application	ELISA, IF, IHC, WB
Clonality	Monoclonal Clone: C11
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Mouse
Uniprot ID	P48668

Technical Details

Immunogen	This protein A purified monoclonal antibody was produced by repeated immunizations with purified human cytoskeletal preparations from A431 cells.
Predicted Reactive Species	Chimpanzee, Hamster
Isotype	IgG1
Form	Liquid (sterile filtered)
Concentration	1.3 mg/mL by UV absorbance at 280 nm
Purification	This protein A purified mouse monoclonal antibody reacts specifically with keratins from human tissues and derived cell lines. This antibody reacts with keratin (56 kDa), keratin 17 (46 kDa), keratin

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	18 (45 kDa) and keratin 19 (40 kDa) derived from humans. Cross-reactivity with keratins from other sources has not been determined. No reaction is expected against other filament proteins including vimentin, desmin and neurofilament protein.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: ELISA: 1:5,000 - 1:20,000 IHC: 1:50 - 1:200 IF Microscopy: 1:50 - 1:200 IP: 1:100 WB: 1:50 - 1:200

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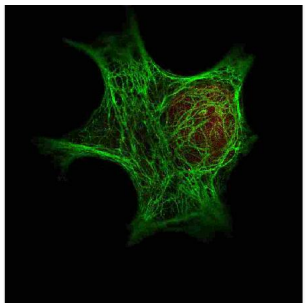
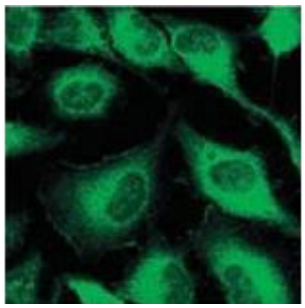
Anti-Keratin KRT6C Monoclonal Antibody (M07078) Images

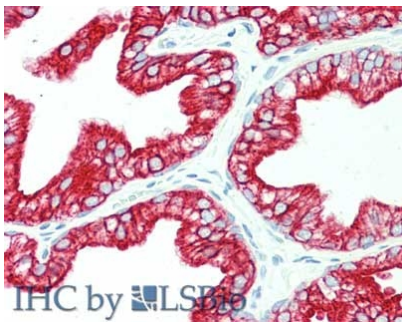


Immunofluorescence Microscopy of Immunochemical's Anti-Keratin antibody was used with Dylight 488 goat anti-mouse IgG (shown in green) to detect Keratin by Immunofluorescence. In the same experiment, Anti-HDAC-1 polyclonal antibody was used with Anti-Rabbit IgG (shown in red) to detect HDAC-1. Myriam Gastard, PhD, personal communication, Leica Microsystems, Inc. USA.

Western blot analysis of Keratin expression in human epidermis (lane 1). Keratin at 56KD was detected using mouse anti-Keratin protein A purified monoclonal antibody (Catalog # M07078) at 1:400. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1001).



Keratin was detected in immunofluorescence sections of HeLa Whole Cell using mouse anti-Keratin protein A purified monoclonal antibody (Catalog # M07078). Confocal slices of HeLa cells are between 0.5 and 0.6



Keratin was detected in paraffin-embedded sections of human prostate tissues using mouse anti-Keratin protein A purified monoclonal antibody (Catalog # M07078) at 10 ug/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1021).

9 Publications Citing This Product

1. PubMed ID: 23604326, Biological characteristics of CD133+?cells in nasopharyngeal carcinoma

2. PubMed ID: 30138944, Biological characteristics of CD133 cells in nasopharyngeal carcinoma

3. PubMed ID: 23926453, In vitro apoptosis effects of GnRHII on endometrial stromal cells from patients with endometriosis

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