BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-Cytokeratin 6B/KRT6B Antibody

Catalog Number: A07579-1

About KRT6B

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral courterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. Keratin 6 is a type II keratin. It is used as a marker for epidermal hyperproliferation and differentiation. Three keratin 6 isoforms were found, ketatin 6A,6B, and 6C. They share more than 99% identical DNA sequence.

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Overview

Product Name	Anti-Cytokeratin 6B/KRT6B Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Cytokeratin 6B/KRT6B Antibody catalog # A07579-1. Tested in WB, IHC, ICC, IF, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, Flow Cytometry, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt□-20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P04259

Technical Details

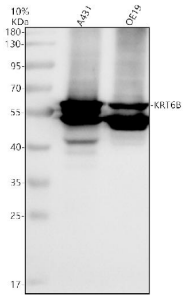
Immunogen	E.coli-derived human Cytokeratin 6B/KRT6B recombinant protein (Position: Q216-Y562).

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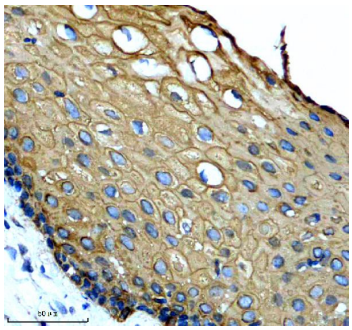
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 Immunocytochemistry/Immunofluorescence, 1:50-400 Flow Cytometry (Fixed), 1:50-200 ELISA, 1:100-1000

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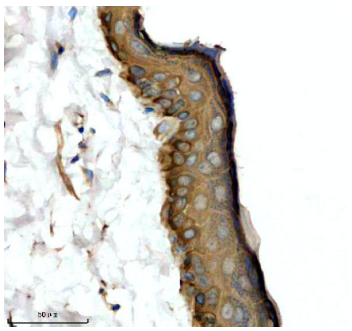
Anti-Cytokeratin 6B/KRT6B Antibody (A07579-1) Images



Western blot analysis of Cytokeratin 6B/KRT6B using anti-Cytokeratin 6B/KRT6B antibody (A07579-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human A431 whole cell lysates, Lane 2: human OE19 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Cytokeratin 6B/KRT6B antigen affinity purified polyclonal antibody (A07579-1) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for Cytokeratin 6B/KRT6B at approximately 60 kDa. The expected band size for Cytokeratin 6B/KRT6B is at 60 kDa.



IHC analysis of Cytokeratin 6B/KRT6B using anti-Cytokeratin 6B/KRT6B antibody (A07579-1). Cytokeratin 6B/KRT6B was detected in a paraffin-embedded section of human skin tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Cytokeratin 6B/KRT6B Antibody (A07579-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of Cytokeratin 6B/KRT6B using anti-Cytokeratin 6B/KRT6B antibody (A07579-1). Cytokeratin 6B/KRT6B was detected in a paraffin-embedded section of rat skin tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Cytokeratin 6B/KRT6B Antibody (A07579-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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For Research Use Only. Not for use in diagnostic procedures.