

## Anti-Cytokeratin Peptide 7 KRT7 Antibody (Monoclonal, LDS-68)

Catalog Number: MA1024

### About KRT7

KRT7 is a type II keratin of simple nonkeratinizing epithelia. The deduced 489-amino acid protein has a calculated molecular mass of about 54 kD. K7 contains 4 central alpha-helical segments with heptad repeats of hydrophobic residues characteristic of a coiled-coil region. Within this domain, K7 shares 73% homology with epidermal K6B. KRT7 gene contains 9 exons and spans more than 15.6 kb. K7 gene is mapped to chromosome 12. Keratin 7 is expressed in a wide range of epithelial structures in humans.

### Overview

Product Name	Anti-Cytokeratin Peptide 7 KRT7 Antibody (Monoclonal, LDS-68)
Reactive Species	Human
Description	Boster Bio Anti-Cytokeratin Peptide 7 KRT7 Antibody (Monoclonal, LDS-68) catalog # MA1024. Tested in IHC, WB applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Monoclonal LDS-68
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q6IG12

### Technical Details

Immunogen	Cytoskeletal preparation of the RT4 human bladder carcinoma cell line.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P) and IHC(F).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 2-4ug/ml, Human

Immunohistochemistry (Frozen Section), 2-4ug/ml, Human, -  
Western blot, 1-2ug/ml, Human

## Anti-Cytokeratin Peptide 7 KRT7 Antibody (Monoclonal, LDS-68) (MA1024) Images



Boster Kit Box

### 3 Publications Citing This Product

1. PubMed ID: 10.1095/biolreprod.116.140939, EPHB4 Regulates Human Trophoblast Cell Line HTR-8/SVneo Function: Implications for the Role of EPHB4 in Preeclampsia
2. PubMed ID: 29048644, Bu S, Zhang Q, Wang Q, Lai D. Int J Oncol. 2017 Nov;51(5):1405-1414. doi: 10.3892/ijo.2017.4123. Epub 2017 Sep 14. Human amniotic epithelial cells inhibit growth of epithelial ovarian cancer cells via TGF-beta1-mediated cell cycle arrest
3. PubMed ID: 27512150, EPHB4 regulates human trophoblast cell line HTR-8/SVneo function: implications for the role of EPHB4 in preeclampsia

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