

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

Catalog # ABO10419

Product Information

Application	WB, IHC-P, IHC-F
Primary Accession	Q6IG12
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for Cytokeratin Peptide 7, keratin 7 (KRT7) detection. Tested with WB, IHC-P, IHC-F in Human. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Gene ID	300242
Other Names	Keratin, type II cytoskeletal 7, Cytokeratin-7, CK-7, Keratin-7, K7, Type-II keratin Kb7, Krt7 {ECO:0000250 UniProtKB:P08729}
Calculated MW	50709
Application Details	Immunohistochemistry(Paraffin-embedded Section), 2-4 μ g/ml, Human, By Heat Immunohistochemistry(Frozen Section), 2-4 μ g/ml, Human, - Western blot, 1-2 μ g/ml, Human
Subcellular Localization	KRT7: Cytoplasm
Tissue Specificity	KRT7: Expressed in cultured epidermal, bronchial and mesothelial cells but absent in colon, ectocervix and liver. Observed throughout the glandular cells in the junction between stomach and esophagus but is absent in the esophagus.
Source	Eukaryota
Protein Name	Keratin, type II cytoskeletal 7
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.

Clone Names	LDS-68
Immunogen	Cytoskeletal preparation of the RT4 human bladder carcinoma cell line.
Purification	Ascites
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the intermediate filament family.

Protein Information

Name	Krt7 {ECO:0000250 UniProtKB:P08729}
Function	Blocks interferon-dependent interphase and stimulates DNA synthesis in cells.

Background

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.

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