BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Cytokeratin Peptide 18 KRT18 Antibody (Monoclonal, 35K72)

Catalog Number: M01357-6

About KRT18

Intermediate filaments (IFs) are a structurally related family of cellular proteins that appear to be intimately involved with the cytoskeleton. Human keratin 18 (KRT18) and the homologous mouse Endo B are type I IF protein subunits whose expression is restricted in adults to a variety of simple epithelial tissues. The KRT18 gene is 3,791 bp long and the keratin 18 protein is coded for by 7 exons. The K18 gene is 3791 bp in length and the K18 protein is coded for by seven exons. By Southern blotting using the genomic DNA PCR product, the gene for keratin 18 is assigned to chromosome 12. Mutation of human keratin 18 in association with cryptogenic cirrhosis.

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Overview

Product Name	Anti-Cytokeratin Peptide 18 KRT18 Antibody (Monoclonal, 35K72)
Reactive Species	Human
Description	Boster Bio Anti-Cytokeratin Peptide 18 KRT18 Antibody (Monoclonal, 35K72) catalog # M01357-6. Tested in IF, IHC, WB applications. This antibody reacts with Human.
Application	IF, IHC, WB
Clonality	Monoclonal 35K72
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN3.
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	Q5BJY9

Technical Details

Immunogen	The human epidermal carcinoma A-431 and MCF-7 human breast cancer cell lines.
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

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Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites
Suggested Dilutions	Western blot, 0.5-1ug/ml, Human Immunohistochemistry (Paraffin-embedded Section), 1-2ug/ml, Human Immunohistochemistry (Frozen Section), 0.5-2ug/ml, Human Immunofluorescence, 5 ug/ml, Human

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