Product datasheet

Anti-Cytokeratin 18/KRT18 Antibody (Clone#CY-90)

Catalog Number: *BM0032*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
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Basic Information

Product Name	Anti-Cytokeratin 18/KRT18 Antibody (Clone#CY-90)
Gene Name	KRT18
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human, rat
Tested Application	WB, IHC, IF
Contents	200ug/ml antibody with PBS， 0.02% NaN3 , 1mg BSA and 50% glycerol.
Immunogen	The human epidermal carcinoma A-431 and MCF-7 human breast cancer cell lines.
Concentration	200 ug/ml
Purification	Ascites
Observed MW	48 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunofluorescence (IF): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

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.

Reference

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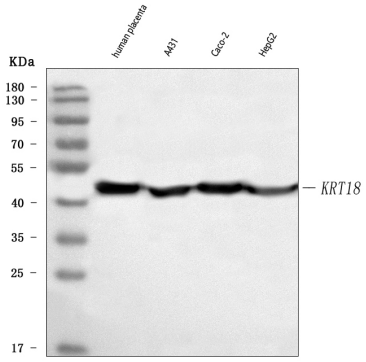
Anti-Cytokeratin 18/KRT18 Antibody (Clone#CY-90)被引用在29文献中。

Selected Validation Data



Western blot analysis of anti- KRT18 antibody (BM0032). The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: human placenta tissue lysates,
Lane 2: A431 whole cell lysates,
Lane 3: Caco-2 whole cell lysates,
Lane 4: HepG2 whole cell lysates.
Use mouse anti- KRT18 1:1000, probed with a goat anti-mouse IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001). A specific band was detected for KRT18 at approximately 48KD. The expected band size for KRT18 is at 48KD.