bsm-33101M **[Primary Antibody]**

CK18 Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG
Clonality: Monoclonal
CloneNo.: 3C3
GeneID: 3875
SWISS: P05783
Target: CK18
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

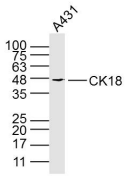
Applications: **WB** (1:500-1000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Rat
(predicted: Mouse)

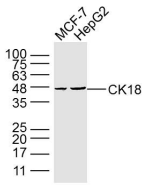
Predicted MW.: 48 kDa

Subcellular Location: Cytoplasm ,Nucleus

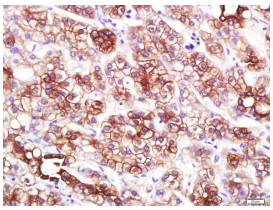
VALIDATION IMAGES



Sample: A431 Cell (Human) Lysate at 40 ug Primary: Anti- CK18 (bsm-33101M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD



Sample: MCF-7 Cell (Human) Lysate at 40 ug HepG2 Cell (Human) Lysate at 40 ug Primary: Anti- CK18 (bsm-33101M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD



Paraformaldehyde-fixed, paraffin embedded (Human liver cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CK18) Monoclonal Antibody, Unconjugated (bsm-33101M) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

SELECTED CITATIONS

- **[IF=5.279]** Qiushuang Sun. et al. Regulation on Citrate Influx and Metabolism through Inhibiting SLC13A5 and ACLY: A Novel Mechanism Mediating the Therapeutic Effects of Curcumin on NAFLD. J Agr Food Chem. 2021;XXXX(XXX):XXX-XXX WB ;Mouse. 34323067
- **[IF=4.275]** Xiuyun Xu. et al. Sox9+ cells are required for salivary gland regeneration after radiation damage via the Wnt/β-catenin pathway. J Genet Genomics. 2021 Oct;: IF ;Mouse. 34757039

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.