bsm-51577M **[Primary Antibody]**

VCP Mouse mAb

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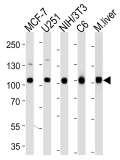
DATASHEET

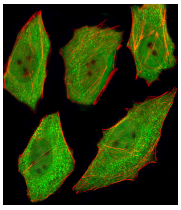
Host: Mouse
Isotype: IgG1, k
Clonality: Monoclonal
CloneNo.: F78
GeneID: 7415
SWISS: P55072
Target: VCP
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: The protein encoded by this gene is a member of a family that includes putative ATP-binding proteins involved in vesicle transport and fusion, 26S proteasome function, and assembly of peroxisomes. This protein, as a structural protein, is associated with clathrin, and heat-shock protein Hsc70, to form a complex. It has been implicated in a number of cellular events that are regulated during mitosis, including homotypic membrane fusion, spindle pole body function, and ubiquitin-dependent protein degradation. [provided by RefSeq, Jul 2008]

Applications: **WB** (1:500-2000)
ICC/IF (1:20-100)
Reactivity: Human, Mouse, Rat
Predicted MW.: 97 kDa
Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: Lane 1: MCF-7 cell lysates Lane 2: U251 cell lysates Lane 3: NIH/3T3 cell lysates Lane 4: C6 cell lysates Lane 5: Mouse Liver tissue lysates Primary: Anti-VCP (bsm-51577M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 97 kD Observed band size: 105 kD



U251 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (VCP) monoclonal Antibody, Unconjugated (bsm-51577M) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes,Alexa Fluor® 555 conjugated with Phalloidin(red) was used to stain the cell Cytoplasmic actin.

SELECTED CITATIONS

- **[IF=6.706]** Min Fu. et al. Mechanisms of Sodium/Iodide Symporter-Mediated Mammary Gland Iodine Compensation during Lactation. NUTRIENTS. 2022 Jan;14(17):3592 WB ;Rat. 10.3390/nu14173592