bsm-51611M **[Primary Antibody]**

VCP Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG1, k
Clonality: Monoclonal
CloneNo.: N5A9
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]

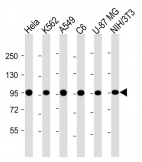
Applications: **WB** (1:500-2000)
IHC-P (1:25)
IHC-F (1:25)
IF (1:25)
Flow-Cyt (1:25)
ICC/IF (1:25)

Reactivity: Human, Mouse, Rat

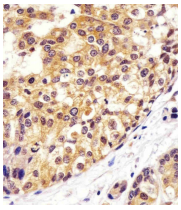
Predicted MW.: 97 kDa

Subcellular Location: Cytoplasm ,Nucleus

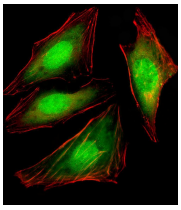
VALIDATION IMAGES



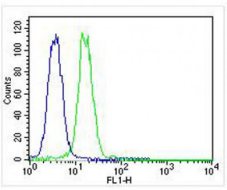
Sample: Lane 1: Hela cell lysates Lane 2: K562 cell lysates Lane 3: A549 cell lysates Lane 4: C6 cell lysates Lane 5: U-87 MG cell lysates Lane 6: NIH/3T3 cell lysates Primary: Anti-VCP (bsm-51611M) at 1/4000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 97 kD Observed band size: 97 kD



Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma sections); 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 (VCP) Monoclonal Antibody, Unconjugated (bsm-51611M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.



Hela 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-51611M) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes,Dylight® 554 Phalloidin (red) was used to stain the cell Cytoplasmic actin.



Blank control:K562. Primary Antibody (green line): Mouse Anti-VCP antibody (bsm-51611M) Dilution: 1:25; Isotype Control Antibody (blue line): Mouse IgG Secondary Antibody : Goat anti-mouse IgG-AF488 Dilution: 1:400 Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90%

ice-cold methanol for 20 min at-20°C.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.