

VCP Mouse mAb

Catalog Number: bsm-51611M

Target Protein: VCP

Concentration: 1mg/ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: N5A9

Isotype: IgG1,K

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

Entrez Gene: 7415

Swiss Prot: P55072

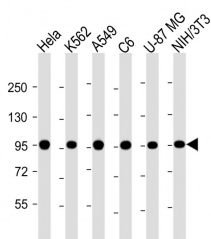
Purification: affinity purified by Protein G

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

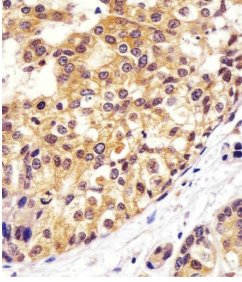
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

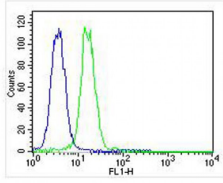
VALIDATION IMAGES



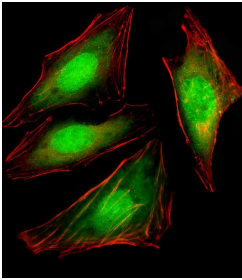
Sample: Lane 1: HeLa cell lysates Lane 2: K562 cell lysates Lane 3: A549 cell lysates Lane 4: C6 cell lysates
Lane 5: U-87 MG cell lysates Lane 6: NIH/3T3 cell lysates Primary: Anti-VCP (bsm-51611M) at 1/4000 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: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



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.



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.