

## Anti-VCP Antibody (9C707)

### Product Details

Ig Type:	IgG1, k
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 97 kDa. Actual: 97 kDa.
Clone:	9C707
Purification:	Protein G purified

### Applications

Verified Activity:	<p>1. Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma sections); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (VCP) Monoclonal Antibody, Unconjugated (TMAB-14061) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.</p> <p>2. 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 (TMAB-14061) 1:50, 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.</p> <p>3. 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 (TMAB-14061) at 1/4000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 97 kD Observed band size: 97 kD</p>
Application:	WB,IHC-P,IHC-Fr,ICC/IF,IF,FCM
Recommended	WB: 1:1000-5000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:50-200; IF: 1:100-500; FCM: 1:50-100

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein: human VCP  
Antigen Species: Human  
Gene ID: 7415  
Uniprot ID: P55072

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### Research 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]

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481