

Anti-VCP Antibody (1048)

Product Details

Ig Type:	IgG1, k
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 97 kDa. Actual: 97 kDa.
Clone:	1048
Purification:	Protein G purified

Applications

1. 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 (TMAB-14060) 1:50, 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.

2. Sample:

Verified Activity:	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 (TMAB-14060) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
	Predicted band size: 97 kD
	Observed band size: 105 kD

Application: WB, ICC/IF

Recommended WB: 1:500-2000; ICC/IF: 1:50-200

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

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

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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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