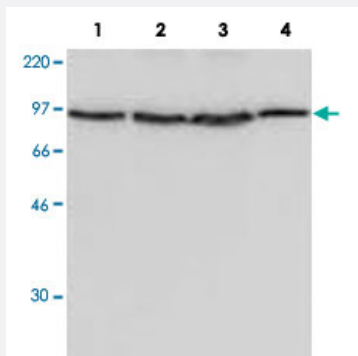


# VCP monoclonal antibody, clone 4G9

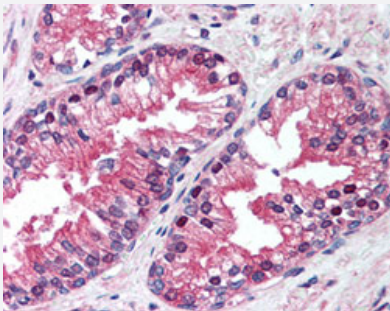
Catalog # MAB12952      Size 50 ug

## Applications



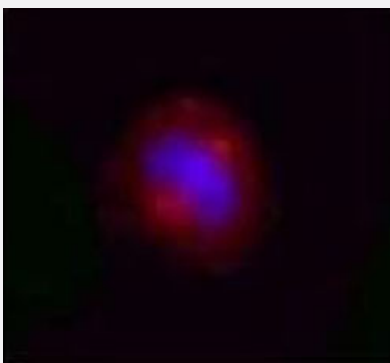
### Western Blot (Cell lysate)

Western Blot analysis of Lane 1: HeLa cells, Lane 2: Jurkat cells, Lane 3: MCF7 cells and Lane 4: mouse splenocytes with VCP monoclonal antibody, clone 4G9 (Cat # MAB12952).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate with VCP monoclonal antibody, clone 4G9 (Cat # MAB12952) at 5 ug/mL working concentration.



### Immunocytochemistry

Immunocytochemistry staining of nocodazole treated Hela cells overnight with VCP monoclonal antibody, clone 4G9 (Cat # MAB12952) followed by Cy3-conjugated goat anti-mouse IgG and DAPI.

## Specification

### Product Description

Mouse monoclonal antibody raised against recombinant human VCP.

<b>Immunogen</b>	Recombinant protein corresponding to human VCP.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	Immunocytochemistry Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/mL) Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (0.09% sodium azide).
<b>Storage Instruction</b>	Store at 4°C. Do not Freeze.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: HeLa cells, Lane 2: Jurkat cells, Lane 3: MCF7 cells and Lane 4: mouse splenocytes with VCP monoclonal antibody, clone 4G9 (Cat # MAB12952).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate with VCP monoclonal antibody, clone 4G9 (Cat # MAB12952) at 5 ug/mL working concentration.

- Immunocytochemistry

Immunocytochemistry staining of nocodazole treated Hela cells overnight with VCP monoclonal antibody, clone 4G9 (Cat # MAB12952) followed by Cy3-conjugated goat anti-mouse IgG and DAPI.

- Immunofluorescence

- Immunoprecipitation

## Gene Info — VCP

Entrez GeneID

[7415](#)

Protein Accession#

[P55072](#)

Gene Name

VCP

Gene Alias

IBMPFD, MGC131997, MGC148092, MGC8560, TERA, p97

Gene Description

valosin-containing protein

Omim ID

[167320 601023](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

transitional endoplasmic reticulum ATPase|yeast Cdc48p homolog

## Disease

- [Amyotrophic Lateral Sclerosis](#)
- [Cardiovascular Diseases](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)