

Product Data Sheet

Purified anti-p97/VCP

Catalog # / Size: 636801 / 25 µg
636802 / 100 µg

Clone: 4G9

Isotype: Mouse IgG1, κ

Immunogen: Recombinant human valosin containing protein

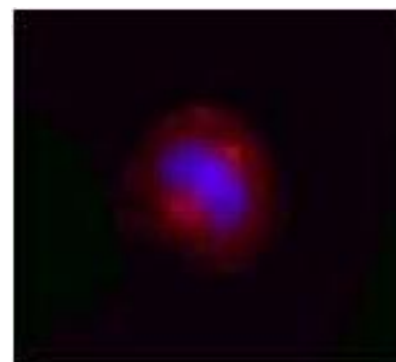
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.

Concentration: 0.5 mg/ml

Storage: Upon receipt, store undiluted at 4°C."



Overnight nocodazole treated Hela cells stained with purified mouse monoclonal antibody against p97/VCP (clone 4G9), followed by Cy3 conjugated goat anti-mouse IgG and DAPI

Applications:

Applications: WB - Quality tested
IP, IF - These applications have been reported by the developer

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. For Western blotting, suggested working dilution(s): Use 5 µg per 5 ml antibody dilution buffer for each mini-gel. For immunofluorescence microscopy: Use a dilution range of 1–4 µg/ml. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Shchedrina VA, *et al.* 2011. *J Biol Chem.* 186:42937. PubMed.
2. Yi L, *et al.* 2012. *Hum Mol Genet.* 21:1794. PubMed.
3. Yahiro K, *et al.* 2012. *Infect Immun.* 80:1803. PubMed.

Description: p97/VCP (valosin containing protein) belongs to the AAA ATPase family, predicted molecular weight 97 kD. VCP is associated with a variety of cellular activities, including cell cycle control, membrane fusion after mitosis, regulates spindle disassembly at the end of mitosis, nuclear trafficking and the ubiquitin-proteasome degradation pathway. In many instances, specific adaptor proteins with which VCP forms multiprotein complexes direct its role in a given process. This protein is required for the fusion of ER and Golgi membranes. Clone 4G9 has been shown to be useful for western blotting, immunoprecipitation, and immunofluorescence staining of human p97/VCP protein.

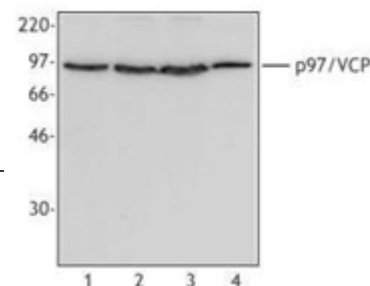
Antigen References: 1. Ye Y, *et al.* 2001. *Nature* 414:652.

Related Products:

Product
AKP Goat anti-mouse IgG (minimal x-reactivity)
Biotin Goat anti-mouse IgG (minimal x-reactivity)
HRP Goat anti-mouse IgG (minimal x-reactivity)
Cy3 Goat anti-mouse IgG (minimal x-reactivity)

Clone
Poly4053
Poly4053
Poly4053
Poly4053

Application
ELISA, WB, IHC
FC, ELISA, IHC, IF, WB
ELISA, IHC, WB
IF



Western blot analysis of extracts from Hela cells (Lane 1), Jurkat cells (Lane 2), MCF7 cells (Lane 3), or mouse splenocytes (Lane 4), using anti-p97/VCP, clone 4G9



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