

Product datasheet for **TA328022**

VCP Mouse Monoclonal Antibody [Clone ID: 4G9]

Product data:

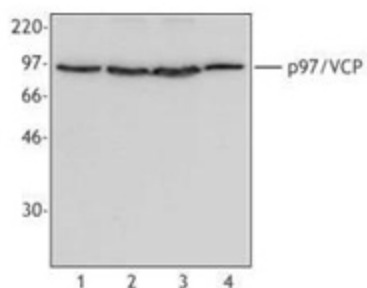
Product Type:	Primary Antibodies
Clone Name:	4G9
Applications:	IF, WB
Recommended Dilution:	WB, IP, IF
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Recombinant human valosin containing protein
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.
Concentration:	lot specific
Purification:	The antibody was purified by affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	valosin containing protein
Database Link:	NP_009057 Entrez Gene 7415 Human P55072
Background:	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.



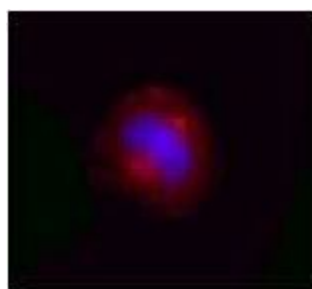
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Synonyms: ALS14; CMT2Y; HEL-220; HEL-S-70; IBMPFD; IBMPFD1; p97; TERA

Product images:



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



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