10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CPVL Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CPVL.
Catalog # AT1615a

Product Information

Application	WB, IHC, IF
Primary Accession	Q9H3G5
Other Accession	BC016838
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	2G5-1C1
Calculated MW	54164

Additional Information

Gene ID	54504
Other Names	Probable serine carboxypeptidase CPVL, 3416-, Carboxypeptidase, vitellogenic-like, Vitellogenic carboxypeptidase-like protein, VCP-like protein, hVLP, CPVL, VLP
Target/Specificity	CPVL (AAH16838.1, 1 a.a. ~ 476 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CPVL Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

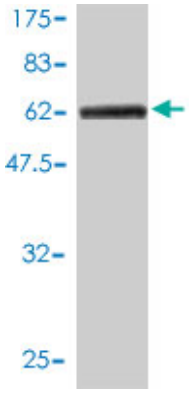
Background

The protein encoded by this gene is a carboxypeptidase and bears strong sequence similarity to serine carboxypeptidases. Carboxypeptidases are a large class of proteases that act to cleave a single amino acid from the carboxy termini of proteins or peptides. The exact function of this protein, however, has not been determined. At least two alternatively spliced transcripts which encode the same protein have been observed.

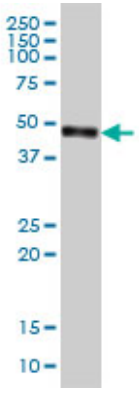
References

Replication study for the association between four Loci identified by a genome-wide association study on European American subjects with type 1 diabetes and susceptibility to diabetic nephropathy in Japanese subjects with type 2 diabetes. Maeda S, et al. Diabetes, 2010 Aug. PMID 20460425.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.A genome-wide study of common SNPs and CNVs in cognitive performance in the CANTAB. Need AC, et al. Hum Mol Genet, 2009 Dec 1. PMID 19734545.Genome-wide association with diabetes-related traits in the Framingham Heart Study. Meigs JB, et al. BMC Med Genet, 2007 Sep 19. PMID 17903298.Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.

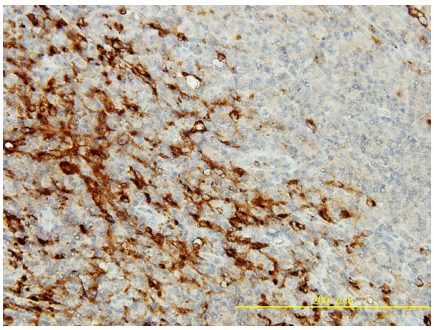
Images



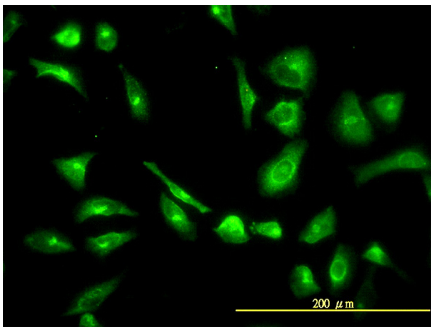
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (77.88 KDa) .



CPVL monoclonal antibody (M01), clone 2G5-1C1 Western Blot analysis of CPVL expression in Jurkat ((Cat # AT1615a)



Immunoperoxidase of monoclonal antibody to CPVL on formalin-fixed paraffin-embedded human lymphomar tissue.[antibody concentration 2 ug/ml]



Immunofluorescence of monoclonal antibody to CPVL on HeLa cell. [antibody concentration 10 ug/ml]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.