

POMZP3 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant POMZP3.

Catalog # AT3383a

Product Information

Application	WB, IHC, E
Primary Accession	Q6PJE2
Other Accession	NM_152992
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2E8
Calculated MW	20620

Additional Information

Gene ID	22932
Other Names	POM121 and ZP3 fusion protein, POM-ZP3, POMZP3
Target/Specificity	POMZP3 (NP_694537, 64 a.a. ~ 116 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
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	POMZP3 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

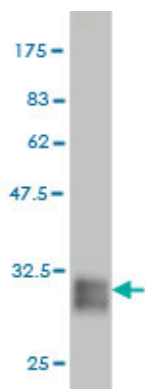
Background

This gene appears to have resulted from a fusion of DNA sequences derived from 2 distinct loci, specifically through the duplication of two internal exons from the POM121 gene and four 3' exons from the ZP3 gene. The 5' end of this gene is similar to the 5' coding region of the POM121 gene which encodes an integral nuclear pore membrane protein. However, the protein encoded by this gene lacks the nuclear pore localization motif. The 3' end of this gene is similar to the last 4 exons of the zona pellucida glycoprotein 3 (ZP3) gene and the encoded protein retains one zona pellucida domain. Multiple protein isoforms are encoded by transcript variants of this gene.

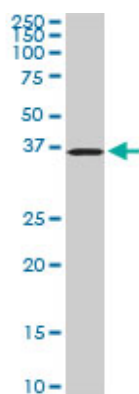
References

Nuclear pore complex assembly and maintenance in POM121- and gp210-deficient cells. Stavru F, et al. J Cell Biol, 2006 May 22. PMID 16702234. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932. Creation of genome-wide protein expression libraries using random activation of gene expression. Harrington JJ, et al. Nat Biotechnol, 2001 May. PMID 11329013. POM-ZP3, a bipartite transcript derived from human ZP3 and a POM121 homologue. Kipersztok S, et al. Genomics, 1995 Jan 20. PMID 7789967.

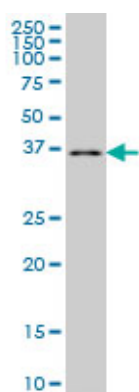
Images



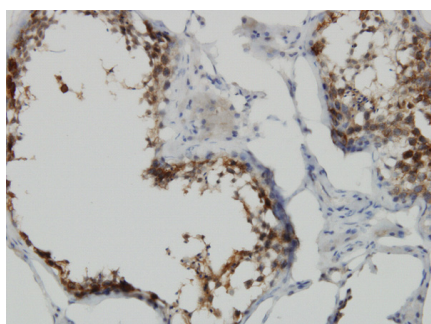
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (31.83 KDa) .



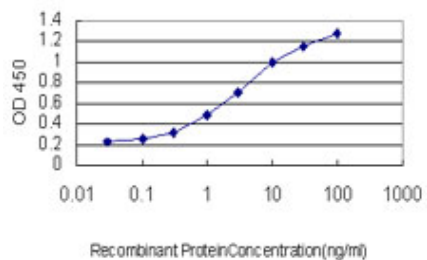
POMZP3 monoclonal antibody (M02), clone 2E7. Western Blot analysis of POMZP3 expression in PC-12 (Cat # AT3383a)



POMZP3 monoclonal antibody (M02), clone 2E7 Western Blot analysis of POMZP3 expression in K-562 (Cat # AT3383a)



Immunoperoxidase of monoclonal antibody to POMZP3 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged POMZP3 is approximately 0.1ng/ml as a capture antibody.

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