

For Research Use Only

Protein Z Monoclonal antibody

Catalog Number: 68394-1-Ig



Basic Information

Catalog Number: 68394-1-Ig	GenBank Accession Number: BC074906	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 8858	CloneNo.: 2A1D3
Source: Mouse	UNIPROT ID: P22891	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG2a	Full Name: protein Z, vitamin K-dependent plasma glycoprotein	
Immunogen Catalog Number: AG13051	Calculated MW: 400 aa, 45 kDa	
	Observed MW: 45-47 kDa, 27 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human plasma,
Species Specificity: Human	

Background Information

Protein Z (PZ, PROZ) is a vitamin K-dependent plasma protein that serves as a cofactor for activated factor X inhibition by the PZ-dependent protease inhibitor (PMID: 16938126). Reduced circulating levels of PZ have been suggested to play a role in the occurrence of bleeding (PMID: 7495103) and deep vein thrombosis (DVT) (PMID: 10829076), as well as in unexplained abortions with early fetal loss (PMID: 11895801), late fetal demise and intrauterine growth restriction (PMID: 16260213), acute coronary syndromes (PMID: 14652653), and stroke (PMID: 11570404). In addition, PZ may be a biomarker for the early diagnosis of pancreatic cancer (PMID: 31025496). It has two isoforms with molecular weights of 44 kDa and 47 kDa.

Storage

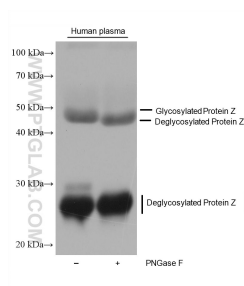
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68394-1-Ig (Protein Z antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.