

For Research Use Only

Protein Z Monoclonal antibody, PBS Only



Catalog Number: 68394-1-PBS

Basic Information

Catalog Number: 68394-1-PBS	GenBank Accession Number: BC074906	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8858	CloneNo.: 2A1D3
Source: Mouse	UNIPROT ID: P22891	
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, Indirect ELISA

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

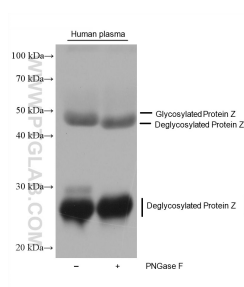
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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. This data was developed using the same antibody clone with 68394-1-PBS in a different storage buffer formulation.