

For Research Use Only

# Protein Z Monoclonal antibody

Catalog Number: 68394-1-Ig



## Basic Information

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

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human plasma,
<b>Species Specificity:</b> 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

For technical support and original validation data for this product please contact:

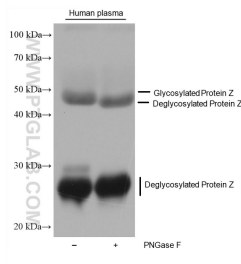
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## Selected Validation Data



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.