

For Research Use Only

# Serpin E1/PAI-1 Recombinant antibody

Catalog Number:83980-3-RR



## Basic Information

<b>Catalog Number:</b> 83980-3-RR	<b>GenBank Accession Number:</b> GeneID (NCBI): 18787	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>UNIPROT ID:</b> P22777	<b>CloneNo.:</b> 241130G6
<b>Source:</b> Rabbit	<b>Full Name:</b> serine (or cysteine) peptidase inhibitor, clade E, member 1	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 45kDa	
	<b>Observed MW:</b> 45-50 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse placenta tissue,
<b>Species Specificity:</b> mouse	

## Background Information

SERPINE1, also named as Plasminogen activator inhibitor type 1 (PAI-1), is a member of the serine protease inhibitor (SERPIN) superfamily. PAI-1 is the principal inhibitor of tPA and uPA, and hence is an inhibitor of fibrinolysis. Defects in this gene are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency), and high concentrations of the gene product are associated with thrombophilia.

## 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

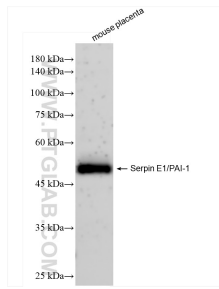
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

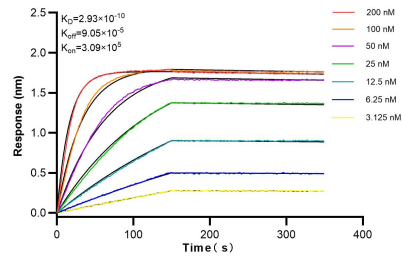
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



mouse placenta tissue was subjected to SDS PAGE followed by western blot with 83980-3-RR (Serpin E1/PAI-1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83980-3-RR against Mouse Serpin E1/PAI-1 were performed. The affinity constant is 0.293 nM.