



Anti-SERPINE1 polyclonal antibody [Biotin] (DPABY-367)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The human serpin superfamily consists of at least 35 members that target not only serine proteases, but also selected cysteine proteases and non-protease proteins. Serpins bind the protease active site resulting in a major conformational rearrangement that traps the enzyme in a covalent acyl-enzyme intermediate. As protease inhibitors, serpins have an array of functions including regulating blood clotting, the complement pathway, extracellular matrix remodeling, and cell motility. They are also involved in activities that extend beyond their ability to inhibit proteases. For instance, they may also regulate blood pressure, angiogenesis, or act as storage/transport proteins.
Specificity	Detects human Serpin E1/PAI-1 in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with recombinant human (rh) SerpinA1, rhSerpin A3, rhSerpin A4, rhSerpin A5, and rhSerpin F2 is observed.
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human Serpin E1/PAI-1 . Ser22-Pro402 Accession Number P05121
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Lyophilized

Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	SERPINE1 serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 [Homo sapiens (human)]
Official Symbol	SERPINE1
Synonyms	SERPINE1; serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; PAI; PAI1; PAI-1; PLANH1; plasminogen activator inhibitor 1; serpin E1; endothelial plasminogen activator inhibitor; serine (or cysteine) proteinase i
Entrez Gene ID	5054
Protein Refseq	NP_000593
UniProt ID	A0A024QYT5
Chromosome Location	7q22.1
Pathway	Adipogenesis; BMAL1:CLOCK,NPAS2 activates circadian gene expression; Blood Clotting Cascade; Chagas disease (American trypanosomiasis); Circadian Clock; Complement and Coagulation Cascades; Complement and coagulation cascades; Direct p53 effectors;
Function	protease binding; protein binding; contributes_to receptor binding; serine-type endopeptidase inhibitor activity;