



Rabbit Anti-SerpinB2 antibody

SL1864R

Product Name:	SerpinB2
Chinese Name:	纤溶酶原激活物抑制因子2/血浆酶原激活酶抑制因子-2抗体
Alias:	Serpin B2; Serpinb2; SerpinB2; plasminogen activator inhibitor 2; HsT1201; Monocyte Arg serpin; Monocyte Arg-serpin; PAI2A; PAI; PAI-2; PAI 2; PAI2; Placental plasminogen activator inhibitor; PAI2_RAT; PLANH2; Plasminogen activator inhibitor 2; Plasminogen activator inhibitor 2 type A; Serpin peptidase inhibitor clade B (ovalbumin) member 2; Urokinase inhibitor.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	47kDa
Cellular localization:	cytoplasmicExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PAI-2:131-230/415
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	SerpinB2 is a serine proteinase inhibitor of the ovalbumin like B clade of serpins. It was first discovered in the placenta, and given the name PAI-2 because of the ability to inhibit urokinase plasminogen activator (u-PA) at low micromolar efficiency. SerpinB2

also inhibits tissue plasminogen activator (t-PA), but with micromolar efficiency, and PAI-1 is much more efficient than SerpinB2 on both forms of plasminogen activator. The structure of PAI-2 is not terribly similar to PAI-1, however, which is an E clade serpin.

SerpinB2 is made by many cell types, and is found intracellularly as an unglycosylated kDa protein, and secreted as a 60 kDa protein. SerpinB2 is found in saliva, secreted by gingival fibroblasts, and in the skin. SerpinB2 levels are elevated in serum during pregnancy, and in leukemia, breast cancer and ovarian cancer, although it was lowered in some cancers. A shorter SerpinB2 isoform of 382 amino acids, has been reported, with a predicted mass of 43.1 kDa and a pI of 5.69. The shorter form has a deletion just after the start of the mature protein, but it is unclear what the relative production and distribution is for the shorter sequence.

Function:

Inhibits urokinase-type plasminogen activator.

Subunit:

Interacts with PSMB1.

Subcellular Location:

Cytoplasm. Secreted, extracellular space.

Post-translational modifications:

The signal sequence is not cleaved.

Similarity:

Belongs to the serpin family. Ov-serpin subfamily.

SWISS:

P05120

Gene ID:

5055

Database links:

[Entrez Gene: 5055](#)Human

[Entrez Gene: 18788](#)Mouse

[Omim: 173390](#)Human

[SwissProt: P05120](#)Human

[SwissProt: P12388](#)Mouse

[Unigene: 594481](#)Human

[Unigene: 271870](#)Mouse

	<p>Important Note:</p>
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