

Datasheet for ABIN7602647
anti-SERPIND1 antibody (AA 90-499)



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Overview

Quantity:	100 µg
Target:	SERPIND1
Binding Specificity:	AA 90-499
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SERPIND1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SERPIND1 Antibody Picoband®
Immunogen:	E.coli-derived human SERPIND1 recombinant protein (Position: D90-S499).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SERPIND1 Antibody Picoband® (ABIN7602647). Tested in ELISA, WB, Flow Cytometry applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SERPIND1
Alternative Name:	SERPIND1 (SERPIND1 Products)
Background:	Synonyms: Thioredoxin, mitochondrial, MTRX, Mt-Trx, Thioredoxin-2, TXN2, TRX2 Tissue Specificity: Widely expressed in adult (at protein level) and fetal tissues. Background: Heparin cofactor II (HCII), a protein encoded by the SERPIND1 gene, is a coagulation factor that inhibits IIa, and is a cofactor for heparin and dermatan sulfate ("minor antithrombin"). This gene belongs to the serpin gene superfamily. Serpins play roles in many processes including inflammation, blood clotting, and cancer metastasis. Members of this family have highly conserved secondary structures with a reactive center loop that interacts with the protease active site to inhibit protease activity. This gene encodes a plasma serine protease that functions as a thrombin and chymotrypsin inhibitor. The protein is activated by heparin, dermatan sulfate, and glycosaminoglycans. Allelic variations in this gene are associated with heparin cofactor II deficiency.
Molecular Weight:	70 kDa
Gene ID:	3053
UniProt:	P05546

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Aihara, K., Azuma, H., Takamori, N., Kanagawa, Y., Akaike, M., Fujimura, M., Yoshida, T., Hashizume, S., Kato, M., Yamaguchi, H., Kato, S., Ikeda, Y., Arase, T., Kondo, A., Matsumoto, T. Heparin cofactor II is a novel protective factor against carotid atherosclerosis in elderly individuals. <i>Circulation</i> 109: 2761-2765, 2004. 2. Andersson, T. R., Larsen, M. L., Abildgaard, U. Low heparin cofactor II associated with abnormal crossed immunoelectrophoresis pattern in two Norwegian families. <i>Thromb. Res.</i> 47: 243-248, 1987. 3. Bernardi, F., Legnani, C., Micheletti, F., Lunghi, B., Ferraresi, P., Palareti, G., Biagi, R., Marchetti, G. A heparin cofactor II mutation (HCII Rimini) combined with factor V Leiden or type I protein C deficiency in two unrelated thrombophilic subjects. <i>Thromb. Haemost.</i> 76: 505-509, 1996.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.