

Datasheet for ABIN7600083

anti-SERPINA4 antibody (AA 147-373)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SERPINA4
Binding Specificity:	AA 147-373
Reactivity:	Human, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SERPINA4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-Kallistatin/PI-4/SERPINA4 Antibody Picoband®
Immunogen:	E.coli-derived human Kallistatin/PI-4/SERPINA4 recombinant protein (Position: H147-A373).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Kallistatin/PI-4/SERPINA4 Antibody Picoband® (ABIN7600083). Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Monkey, Rat. 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:	SERPINA4
Alternative Name:	SERPINA4 (SERPINA4 Products)
Background:	Synonyms: Kallistatin, Kallikrein inhibitor, Peptidase inhibitor 4, PI-4, Serpin A4, SERPINA4, KST, PI4 Tissue Specificity: Expressed by the liver and secreted in plasma. Background: Kallistatin is a protein that in humans is encoded by the SERPINA4 gene. It is mapped to 14q32.13. Serpin A4 is a member of the Serpin superfamily of the serine protease inhibitors. Known also as Kallistatin or proteinase inhibitor 4, Serpin A4 has been shown to function as a specific inhibitor of tissue kallikrein and as an inhibitor of angiogenesis and tumor growth.
Molecular Weight:	49 kDa
Gene ID:	5267
UniProt:	P29622

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Monkey, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Chai, K. X., Chen, L.-M., Chao, J., Chao, L. Kallistatin: a novel human serine proteinase inhibitor: molecular cloning, tissue distribution, and expression in Escherichia coli. J. Biol. Chem. 268: 24498-24505, 1993. 2. Chai, K. X., Ward, D. C., Chao, J., Chao, L. Molecular cloning, sequence analysis, and chromosomal localization of the human protease inhibitor 4 (kallistatin) gene (PI4). Genomics 23: 370-378, 1994. 3. Miao, R. Q., Agata, J., Chao, L., Chao, J. Kallistatin is a new inhibitor of angiogenesis and tumor growth. Blood 100: 3245-3252, 2002.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 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 , 0.05 mg NaN ₃ .

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.