



Datasheet for ABIN714731
anti-SERPINA4 antibody (AA 161-220)



[Go to Product page](#)

2 Publications

Overview

Quantity:	100 µL
Target:	SERPINA4
Binding Specificity:	AA 161-220
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SERPINA4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KLST/Kallistatin (161-220aa)
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat
Purification:	Purified by Protein A.

Target Details

Target:	SERPINA4
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Target Details

Alternative Name: KLST ([SERPINA4 Products](#))

Background: Synonyms: Serpin peptidase inhibitor clade A member 4, Kallikrein binding protein, Kallikrein inhibitor, Protease inhibitor 4, Serpin A4, KAL, Kallikrein binding protein, Kallikrein inhibitor, KBP, KLST, KST, MGC108582, PI4, Protease inhibitor 4, Serpin A4, Serpin peptidase inhibitor clade A member 4, SERPINA4, KAIN_HUMAN.

Background: Kallistatin is a serine proteinase inhibitor which binds to tissue kallikrein and inhibits its amidolytic and kininogenase activity. Inhibition is achieved by formation of an equimolar, heat- and SDS-stable complex between the inhibitor and the enzyme, and generation of a small C-terminal fragment of the inhibitor due to cleavage at the reactive site by tissue kallikrein. Heparin blocks kallistatin's complex formation with tissue kallikrein and abolishes its inhibitory effect on tissue kallikrein's activity.

Gene ID: 5267

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Handling

Expiry Date: 12 months

Publications

Product cited in: Biswas, Maihofer, Mir, Rao, Zhang, Khandrika, Mahata, Friese, Hightower, Mahata, Baker, Nievergelt, Vaingankar, OConnor: "Polymorphisms at the F12 and KLKB1 loci have significant trait association with activation of the renin-angiotensin system." in: **BMC medical genetics**, Vol. 17, pp. 21, (2016) ([PubMed](#)).