Datasheet for ABIN7270208

anti-SERPINC1 antibody

3 Images

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Overview

Quantity:	100 µL
Target:	SERPINC1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SERPINC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	SERPINC1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human SERPINC1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	SERPINC1
Alternative Name:	SERPINC1 (SERPINC1 Products)
Background:	The protein encoded by this gene is a plasma protease inhibitor and a member of the serpin

Target Details

	superfamily. This protein inhibits thrombin as well as other activated serine proteases of the coagulation system, and it regulates the blood coagulation cascade. The protein includes two functional domains: the heparin binding-domain at the N-terminus of the mature protein, and the reactive site domain at the C-terminus. The inhibitory activity is enhanced by the presence of heparin. More than 120 mutations have been identified for this gene, many of which are known to cause antithrombin-III deficiency. [provided by RefSeq, Jul 2009],AT3, AT3D, ATIII, THPH7,Blood,Blood_Coagulation,Blood_Serum Proteins,Cardiovascular,Stem Cells,SERPINC1
Molecular Weight:	53kDa
Gene ID:	462
UniProt:	P01008

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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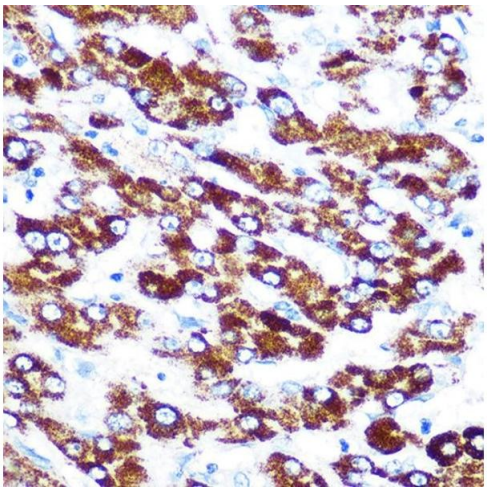
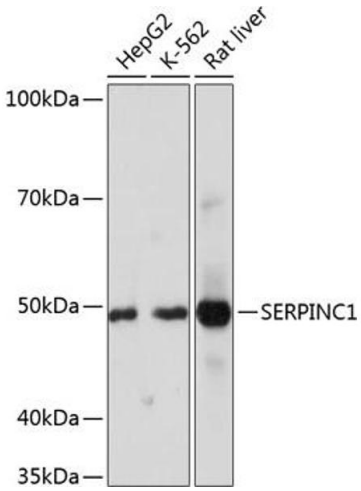


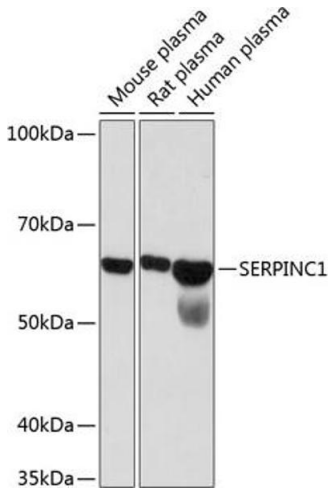
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human liver using SERPINC1 Rabbit mAb (ABIN7270208) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using SERPINC1 Rabbit mAb (ABIN7270208) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3 min.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using SERPINC1 Rabbit mAb (ABIN7270208) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.

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