Datasheet for ABIN2856082

anti-SERPING1 antibody (Center)

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Overview

Quantity:	100 µL
Target:	SERPING1
Binding Specificity:	Center
Reactivity:	Human, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SERPING1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human C1 inhibitor. The exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit Polyclonal antibody to C1 inhibitor (serpin peptidase inhibitor, clade G (C1 inhibitor), member 1) C1 inhibitor antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	SERPING1

Target Details

Alternative Name:	C1 Inhibitor (SERPING1 Products)
Background:	This gene encodes a highly glycosylated plasma protein involved in the regulation of the complement cascade. Its protein inhibits activated C1r and C1s of the first complement component and thus regulates complement activation. Deficiency of this protein is associated with hereditary angioneurotic oedema (HANE). Alternative splicing results in multiple transcript variants encoding the same isoform. Cellular Localization: Secreted
Molecular Weight:	55 kDa
Gene ID:	710
Pathways:	Complement System

Application Details

Application Notes:	Suggested dilution Reference Immunohistochemistry Assay-dependent dilution IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceImmunohistochemistryAssay-dependent dilution IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: 293T , A431 , H1299 , HeLaS3 , HepG2 , Molt-4 , Raji
Restrictions:	For Research Use only

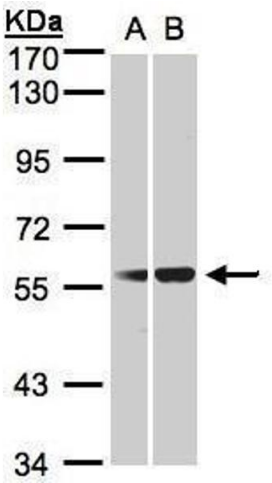
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

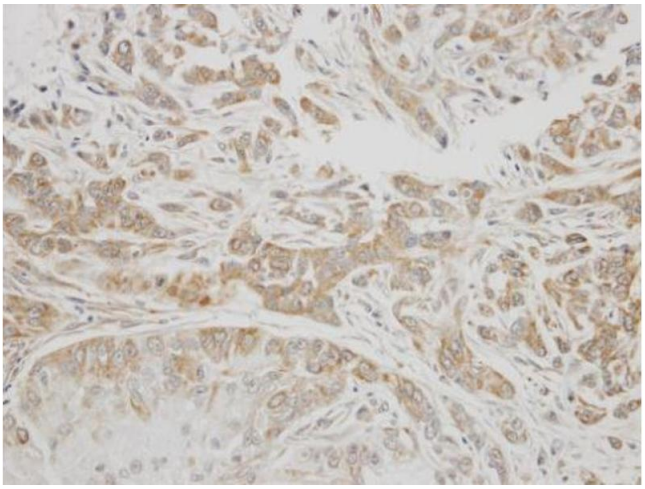
Product cited in: Shirozu, Iwano, Ogiso, Suzuki, Balboula, Bai, Kawahara, Kimura, Takahashi, Rulan, Kim, Yanagawa, Nagano, Imakawa, Takahashi: "Estrous cycle stage-dependent manner of type I interferon-stimulated genes induction in the bovine endometrium." in: **The Journal of reproduction and development**, Vol. 63, Issue 3, pp. 211-220, (2018) (PubMed).

Images



Western Blotting

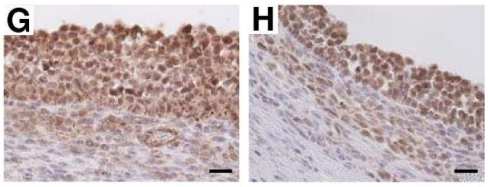
Image 1. WB Image Sample(30 ug whole cell lysate) A:293T B:HeLa S3, 7.5% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded A549 xenograft, using C1 inhibitor, antibody at 1:300 dilution.

SERPING1



Immunohistochemistry

Image 3. Protein localization of SERPINA5, SERPINB6, SERPINF2 and SERPING1 in E2-active and E2-inactive follicles. Localization of SERPINA5 (A and B), SERPINB6 (C and D), SERPINF2 (E and F) and SERPING1 (G and H) protein was detected by immunohistochemistry. Sections (7 µm) of bovine E2-active (A, C, E and G) and E2-inactive follicles (B, D, F and H) were incubated with anti-SERPINA5, anti-SERPINB6, anti-SERPINF2 and anti-SERPING1 polyclonal antibodies. SERPINA5, SERPINB6 and SERPINF2 were detected in the GCs of E2-active and E2-inactive follicles. SERPING1 was detected in both GCs and the TL of E2-active and E2-inactive follicles. Negative control (I and J) was incubated without anti-SERPIN antibodies. Scale bars = 20 µm. - figure provided by CiteAb. Source: PMID21619581