

Product Name: KD-Validated Serpin Family E Member 1 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA00805

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 45.1kDa

Antigen Information

Gene Name	SERPINE1 SERPINE1; Serpin Family E Member 1; PAI 2; PLANH1; PAI1; Serine (Or Cysteine) Proteinase Inhibitor, Clade E (Nexin, Plasminogen Activator Inhibitor Type 1), Member 1; Endothelial
Alternative Names	Plasminogen Activator Inhibitor; Plasminogen Activator Inhibitor 1; Serpin E1; PAI-1; Serpin Peptidase Inhibitor, Clade E (Nexin, Plasminogen Activator Inhibitor Type 1), Member 1; Plasminogen Activator Inhibitor, Type I
Gene ID	5054.0
SwissProt ID	P05121
Immunogen	A synthesized peptide derived from human PAI1

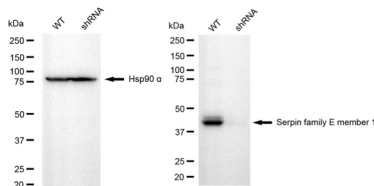
Background

This gene encodes a member of the serine proteinase inhibitor (serpin) superfamily. This member is the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), and hence is an inhibitor of fibrinolysis. The protein also functions as a component of innate antiviral immunity. Defects in this gene are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency), and high concentrations of the gene product are associated with thrombophilia. [provided by RefSeq, Aug 2020]

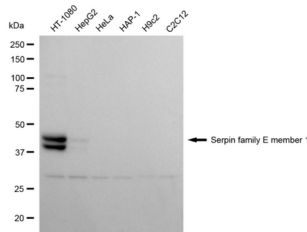
Research Area

Cardiovascular,Cancer,Cell Biology,Cancer,Kits,Metabolism

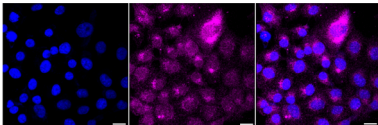
Image Data



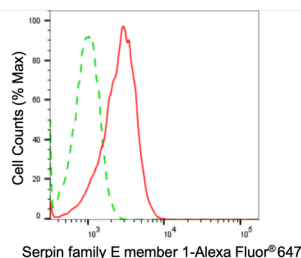
Western blotting analysis using serpin family E member 1 antibody (KVA00805). Serpin family E member 1 expression in wild-type (WT) and serpin family E member 1 (SERPINE1) shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with serpin family E member 1 antibody (KVA00805, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using serpin family E member 1 antibody (KVA00805). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with serpin family E member 1 antibody (KVA00805, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Serpin family E member 1 antibody (KVA00805, 1:1,000). Nuclei were stained blue with DAPI; Serpin family E member 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar: 20 µm.



Flow cytometric analysis of Serpin family E member 1 expression in HT-1080 cells using Serpin family E member 1 antibody (KVA00805, 1:2,000). Green, isotype control; red, Serpin family E member 1.