

SERPINH1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP7366c

Product Information

Application WB, IHC-P, FC, E

Primary Accession P50454

Other Accession P29457, P19324, O2KIH6

Reactivity Human

Predicted Bovine, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB18952
Calculated MW 46441
Antigen Region 169-196

Additional Information

Gene ID 871

Other Names Serpin H1, 47 kDa heat shock protein, Arsenic-transactivated protein 3, AsTP3,

Cell proliferation-inducing gene 14 protein, Collagen-binding protein, Colligin, Rheumatoid arthritis-related antigen RA-A47, SERPINH1, CBP1, CBP2, HSP47,

SERPINH2

Target/Specificity This SERPINH1 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 169-196 amino acids from the Central

region of human SERPINH1.

Dilution WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent

concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation

followed by dialysis against PBS.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions SERPINH1 Antibody (Center) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name SERPINH1

Synonyms CBP1, CBP2, HSP47, SERPINH2

Function Binds specifically to collagen. Could be involved as a chaperone in the

biosynthetic pathway of collagen.

Cellular Location Endoplasmic reticulum lumen.

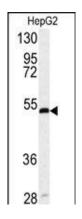
Background

SERPINH1 is a member of the serpin superfamily of serine proteinase inhibitors. Its expression is induced by heat shock. The protein localizes to the endoplasmic reticulum lumen and binds collagen; thus it is thought to be a molecular chaperone involved in the maturation of collagen molecules. Autoantibodies to this protein have been found in patients with rheumatoid arthritis.

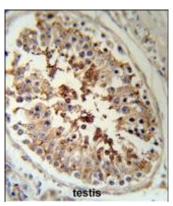
References

Araki, K., Br. J. Cancer 101 (3), 492-497 (2009) Katagata, Y., J. Dermatol. Sci. 49 (1), 33-38 (2008)

Images

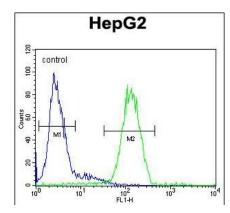


Western blot analysis of SERPINH1 antibody (Center) (Cat.# AP7366c) in HepG2 cell line lysates (35ug/lane). SERPINH1 (arrow) was detected using the purified Pab.



SERPINH1 Antibody (Center) (RB18952) IHC analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SERPINH1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

SERPINH1 Antibody (Center) (Cat. #AP7366c) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.