

**SERPINH1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7366c****Specification**

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**SERPINH1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P50454](#)**SERPINH1 Antibody (Center) Blocking Peptide - 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**

The synthetic peptide sequence used to generate the antibody [AP7366c](/products/AP7366c) was selected from the Center region of human SERPINH1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SERPINH1 Antibody (Center) Blocking Peptide - 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.

## **SERPINH1 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **SERPINH1 Antibody (Center) Blocking Peptide - Images**

## **SERPINH1 Antibody (Center) Blocking Peptide - 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.

## **SERPINH1 Antibody (Center) Blocking Peptide - References**

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