

Hsp47 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10366**Specification**

Hsp47 Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	P19324
Reactivity	Human, Mouse, Rat, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	46534

Hsp47 Antibody - Additional Information**Gene ID** 12406

Application & Usage	Western blotting (0.5-4 µg/ml), immunoprecipitation (10-20 µg/ml) and Immunohistochemistry (10-20 µg/ml) in frozen or paraffin embedded tissues. However, the optimal concentrations should be determined individually. The antibody recognizes 47 kDa Hsp47 of human, mouse, rat, and chick origins. Mouse small intestine tissue lysate can be used as a positive control.
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Other Names

SERPINH1 , AsTP3 , CBP1 , CBP2 , HSP47 , PIG14 , RA-A47 , PPR0M , colligen , colligin-2 , SERPINH2

Target/Specificity

Hsp47

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.2 mg/ml) Protein A purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

Hsp47 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Hsp47 Antibody - Protein Information

Name Serpinh1

Synonyms Cbp1, Hsp47

Function

Binds specifically to collagen. Could be involved as a chaperone in the biosynthetic pathway of collagen.

Cellular Location

Endoplasmic reticulum lumen.

Hsp47 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Hsp47 Antibody - Images

Hsp47 Antibody - Background

Heat shock proteins (HSPs) are ubiquitously expressed in all organisms. HSP47 is a molecule expressed constitutively in cells that synthesizes collagen. HSP47 is a procollagen-specific molecular chaperon that resides in the endoplasmic reticulum of procollagen-producing cells and is essential for secretion of procollagen from cells. Significantly, HSP47 plays a vital role in folding and assembling collagen. HSP47 is also known as colligin 1, serpinh1, collagen-binding protein 1 (CBP1) and gp46. The human HSP 47 gene encodes a 47 kDa protein.