

**Hsp47 Antibody**  
**Rabbit mAb**  
**Catalog # AP90954****Specification**

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**Hsp47 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P50454</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
CBP1; CBP2; OI10; gp46; AsTP3; HSP47; PIG14; PPR0M; RA-A47; SERPINH2;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	46441 Da

**Hsp47 Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Hsp47
Description	This gene encodes a member of the serpin superfamily of serine proteinase inhibitors. The encoded protein is localized to the endoplasmic reticulum and plays a role in collagen biosynthesis as a collagen-specific molecular chaperone. Autoantibodies to the encoded protein have been found in patients with rheumatoid arthritis.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Hsp47 Antibody - 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**

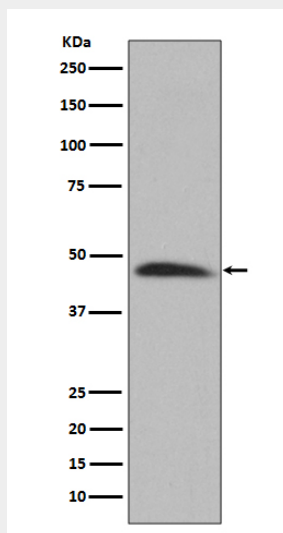
Endoplasmic reticulum lumen.

### 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



Western blot analysis of Hsp47 expression in HeLa cell lysate.