

## Mouse Serpinh1 Monoclonal Antibody | anti-Serpinh1 antibody

Rat Serpinh1 Antibody (Center)

| CATALOG # | HOST  | REACTIVITY                                       | APPLICATIONS                              |
|-----------|-------|--------------------------------------------------|-------------------------------------------|
| AAA283468 | Mouse | Human, rat (Predicted Reactivity: Bovine, Mouse) | Immunohistochemistry, ELISA, Western Blot |

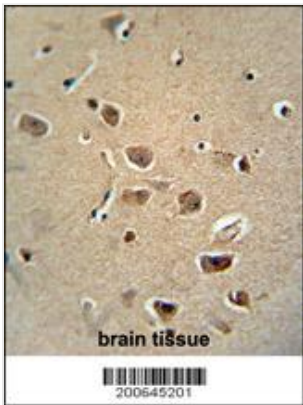
### PRODUCT SYNONYMS

Serpinh1; Monoclonal Antibody; Rat Serpinh1 Antibody (Center); Serpin H1; 47 kDa heat shock protein; Collagen-binding protein; Colligin; GP46; Cbp1; Hsp47; anti-Serpinh1 antibody

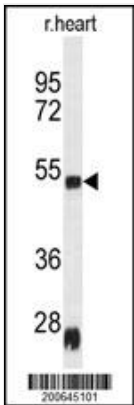
### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Mouse                                                                                                                                                                    |
| Reactivity                                         | Human, rat (Predicted Reactivity: Bovine, Mouse)                                                                                                                         |
| Clonality                                          | Monoclonal                                                                                                                                                               |
| Isotype                                            | IgG1                                                                                                                                                                     |
| Clone Number                                       | 134CT3.1.1                                                                                                                                                               |
| Specificity                                        | This Rat Serpinh1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 222-251 amino acids from the Central region of rat Serpinh1. |
| Purity/Purification                                | Purified Mouse Monoclonal Antibody (Mab)                                                                                                                                 |
| Form/Format                                        | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.      |
| Concentration                                      | Vial Concentration: 0.35 (varies by lot)                                                                                                                                 |
| Sequence Positions                                 | 222-251                                                                                                                                                                  |
| Sequence Length                                    | 417                                                                                                                                                                      |
| Applicable Applications for anti-Serpinh1 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                     |
| Antigen Type                                       | Synthetic Peptide                                                                                                                                                        |
| Antigen Source                                     | RAT                                                                                                                                                                      |
| Preparation and Storage                            | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                   |

IMAGES



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



**WB (Western Blot)**  
Western blot analysis of RAT SERPH Antibody (Center) in rat heart tissue lysates (35ug/lane).SERPH (arrow) was detected using the purified Pab.(1:100

ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Localization of HSP47 mRNA in murine bleomycin-induced pulmonary fibrosis. Kakugawa T, et al. Virchows Arch, 2010 Mar. PMID 20094730. The level of the transcription factor Pax6 is essential for controlling the balance between neural stem cell self-renewal and neurogenesis. Sansom SN, et al. PLoS Genet, 2009 Jun. PMID 19521500. Fog2 is critical for cardiac function and maintenance of coronary vasculature in the adult mouse heart. Zhou B, et al. J Clin Invest, 2009 Jun. PMID 19411759. Adenovirus-mediated RNA interference against collagen-specific molecular chaperone 47-KDa heat shock protein suppresses scar formation on mouse wounds. Wang Z, et al. Cell Biol Int, 2008 May. PMID 18093850. Type I collagen in Hsp47-null cells is aggregated in endoplasmic reticulum and deficient in N-propeptide processing and fibrillogenesis. Ishida Y, et al. Mol Biol Cell, 2006 May. PMID 16525016. |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 8393057                                                                                             |
| NCBI GeneID                      | 29345                                                                                               |
| NCBI Accession #                 | NP_058869.1                                                                                         |
| NCBI GenBank Nucleotide #        | NM_017173.1                                                                                         |
| UniProt Accession #              | P29457                                                                                              |
| Molecular Weight                 | 46518                                                                                               |
| NCBI Official Full Name          | serpin H1                                                                                           |
| NCBI Official Synonym Full Names | serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1) |
| NCBI Official Symbol             | Serpinh1                                                                                            |
| NCBI Official Synonym Symbols    | Cbp2; Serpinh2                                                                                      |
| NCBI Protein Information         | serpin H1                                                                                           |
| UniProt Protein Name             | Serpin H1                                                                                           |
| UniProt Gene Name                | Serpinh1                                                                                            |
| UniProt Synonym Gene Names       | Cbp1; Hsp47; Colligin                                                                               |
| UniProt Entry Name               | SERPH_RAT                                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/monoclonal/serpinh1-antibody-clone-134ct3-1-1-immunohistochemistry-western-blot-elisa/283468>