

## Rabbit anti-Human SERPINB13 Polyclonal Antibody | anti-SERPINB13 antibody

Anti-SERPINB13 Antibody Picoband

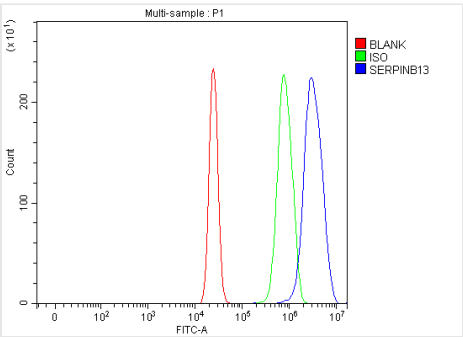
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                          |
|-----------|--------|------------|-------------------------------------------------------|
| AAA126555 | Rabbit | Human      | ELISA, Flow Cytometry, Functional Assay, Western Blot |

### PRODUCT SYNONYMS

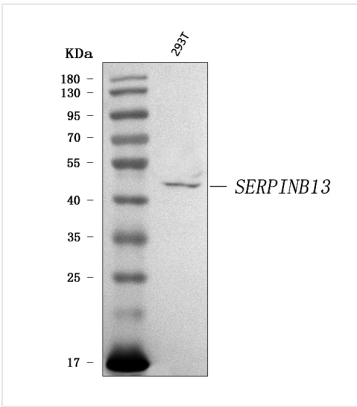
SERPINB13; Polyclonal Antibody; Anti-SERPINB13 Antibody Picoband; anti-SERPINB13 antibody

### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                                                                             |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | Rabbit                                                                                                                                                                                                                      |
| Reactivity                                          | Human                                                                                                                                                                                                                       |
| Clonality                                           | Polyclonal                                                                                                                                                                                                                  |
| Isotype                                             | Rabbit IgG                                                                                                                                                                                                                  |
| Purity/Purification                                 | Immunogen affinity purified.                                                                                                                                                                                                |
| Form/Format                                         | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                    |
| Concentration                                       | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                   |
| Applicable Applications for anti-SERPINB13 antibody | ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)                                                                                                                                                                         |
| Reconstitution                                      | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                   |
| Immunogen                                           | E Coli-derived human SERPINB13 recombinant protein (Position: M1-H368).                                                                                                                                                     |
| Preparation and Storage                             | Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing. |



**FCM/FACS (Flow Cytometry)**  
Figure 2. Flow Cytometry analysis of U2OS cells using anti-SERPINB13 antibody (AAA126555).Overlay histogram showing U2OS cells stained with AAA126555 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SERPINB13 Antibody (AAA126555, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



**WB (Western Blot)**  
Figure 1. Western blot analysis of SERPINB13 using anti-SERPINB13 antibody (AAA126555).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human 293T whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SERPINB13 antigen affinity purified polyclonal antibody (#AAA126555) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SERPINB13 at approximately 44 kDa. The expected band size for SERPINB13 is at 44 kDa.

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SERPINB13 antibody | Serpin B13 is a protein that in humans is encoded by the SERPINB13 gene. The protein encoded by this gene is a member of the serpin family of serine protease inhibitors. The encoded protein inhibits the activity of cathepsin K and is itself transcriptionally repressed by RUNX1. This gene is downregulated in many types of cancer. |
| Product Categories/Family for anti-SERPINB13 antibody   | Primary Antibodies, Rabbit Polyclonal Antibodies                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 8393956                                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 5275                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_036529.1                                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_012397.3                                                                                                                                                                                                                                                     |
| UniProt Accession #              | Q9UIV8; Q3MII2; Q9HCX1; Q9UBW1; Q9UKG0; Q92661                                                                                                                                                                                                                  |
| Molecular Weight                 | 44,276 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | serpin B13                                                                                                                                                                                                                                                      |
| NCBI Official Synonym Full Names | serpin peptidase inhibitor, clade B (ovalbumin), member 13                                                                                                                                                                                                      |
| NCBI Official Symbol             | SERPINB13                                                                                                                                                                                                                                                       |
| NCBI Official Synonym Symbols    | HUR7; PI13; headpin; HSHUR7SEQ; MGC126870                                                                                                                                                                                                                       |
| NCBI Protein Information         | serpin B13; PI-13; HURPIN; OTTHUMP00000066811; peptidase inhibitor 13; proteinase inhibitor 13; haCaT UV-repressible serpin; UV-B repressed sequence, HUR 7; protease inhibitor 13 (hurpin, headpin); serine (or cysteine) proteinase inhibitor, clade B (ovalb |
| UniProt Protein Name             | Serpin B13                                                                                                                                                                                                                                                      |

|                            |             |
|----------------------------|-------------|
| UniProt Gene Name          | SERPINB13   |
| UniProt Synonym Gene Names | PI13        |
| UniProt Entry Name         | SPB13_HUMAN |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/serpinb13-antibody-flow-cytometry-western-blot-elisa/126555>