

## Goat anti-Human F12 / Factor XII Polyclonal Antibody | anti-F12 antibody

Goat Polyclonal (IgG) to Human F12 / Factor XII

|                              |                     |                            |                                                                         |
|------------------------------|---------------------|----------------------------|-------------------------------------------------------------------------|
| CATALOG #<br><b>AAA50927</b> | HOST<br><b>Goat</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Immunoprecipitation, Immunohistochemistry</b> |
|------------------------------|---------------------|----------------------------|-------------------------------------------------------------------------|

### PRODUCT SYNONYMS

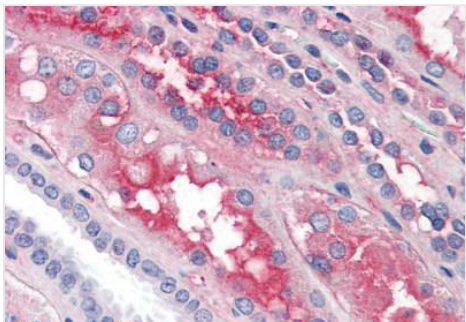
F12 / Factor XII; Polyclonal Antibody; Goat Polyclonal (IgG) to Human F12 / Factor XII; Anti-F12 / Factor XII Antibody IHC-plus; F12; Beta-factor XIIa part 2; Beta-factor XIIa part 1; Coagulation factor XII; F12 deficiency; Factor XII; Factor XII deficiency; HAE3; HAEX; Hageman factor; HAF; Human F12; anti-F12 antibody

### PRODUCT SPECIFICATIONS

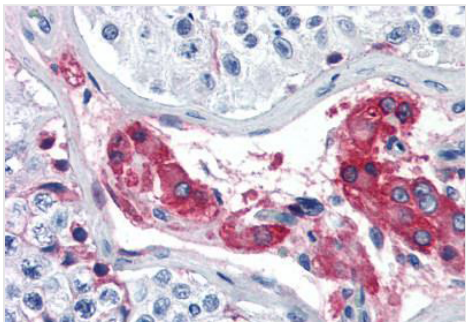
|                                               |                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Goat                                                                                                                                                                                                                                                                                                                  |
| Reactivity                                    | Human                                                                                                                                                                                                                                                                                                                 |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                                                                            |
| Isotype                                       | IgG                                                                                                                                                                                                                                                                                                                   |
| Specificity                                   | Specific for Factor XII as demonstrated by immunodiffusion. A single precipitin arc was obtained with normal plasma and no reaction was observed with F. XII-deficient plasma.                                                                                                                                        |
| Purity/Purification                           | Ammonium sulfate precipitation                                                                                                                                                                                                                                                                                        |
| Form/Format                                   | 10 mM HEPES, pH 7.4, 0.15 M NaCl, 50% glycerol. No preservative added.                                                                                                                                                                                                                                                |
| Concentration                                 | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                               |
| Sequence Length                               | 615                                                                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-F12 antibody | ELISA, IP (Immunoprecipitation), IHC (Immunohistochemistry)                                                                                                                                                                                                                                                           |
| Target Species                                | Human                                                                                                                                                                                                                                                                                                                 |
| Immunogen                                     | F12 / Factor XII antibody was raised against activated human Factor XII (F XIIa) purified from plasma.                                                                                                                                                                                                                |
| Immunogen Type                                | Purified protein                                                                                                                                                                                                                                                                                                      |
| Immunogen Species                             | F12/Factor XII antibody was raised against Human                                                                                                                                                                                                                                                                      |
| Disclaimer                                    | Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application. |

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|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Recommended Immunohistochemistry Protocol</b></p> | <p>The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:</p> <p><b>Tissue Preparation:</b><br/>Formalin fixation and embedding in paraffin wax.</p> <p><b>Tissue Sectioning:</b><br/>Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C.</p> <p><b>Deparaffinization:</b><br/>Wash dry slides in 3 changes of xylene - 5 minutes each @ RT</p> <p><b>Rehydration:</b><br/>Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT<br/>Wash slides in 1 change of 80% alcohol - 3 minutes @ RT<br/>Rinse slides in gentle running distilled water - 5 minutes @ RT</p> <p><b>Antigen retrieval:</b><br/>Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes<br/>Remove from heat and let stand at room temperature in buffer - 20 minutes<br/>Rinse in 1X TBS with Tween (TBST) -1 minute @ RT</p> <p><b>Immunostaining:</b><br/>(Do not allow tissues to dry at any time during the staining procedure)<br/>Apply a universal protein block - 20 minutes @ RT<br/>Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT<br/>Rinse slides in 1 X TBST - 1 minute @ RT<br/>Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase streptavidin - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT<br/>Wash slides in distilled water - 1 minute @ RT</p> <p><b>Dehydrate:</b><br/>(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB)<br/>Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of xylene - 1 minute each @ RT<br/>Apply coverslip</p> |
| <p><b>Preparation and Storage</b></p>                   | <p>Short term: Store at 4 degree C. Long Term: Store at -20 degree C. Avoid repeat freeze-thaw cycles.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

IMAGES



IHC (Immunohistochemistry)  
Anti-F12 / Factor XII antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)  
Anti-F12 / Factor XII antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

|                                                 |                                        |
|-------------------------------------------------|----------------------------------------|
| Product Categories/Family for anti-F12 antibody | Family: Protease; Subfamily: Serine S1 |
|-------------------------------------------------|----------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 145275213                                                                                                                                                          |
| NCBI GeneID                      | 2161                                                                                                                                                               |
| NCBI Accession #                 | NP_000496.2                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_000505.3                                                                                                                                                        |
| UniProt Accession #              | P00748; P78339                                                                                                                                                     |
| NCBI Official Full Name          | coagulation factor XII                                                                                                                                             |
| NCBI Official Synonym Full Names | coagulation factor XII (Hageman factor)                                                                                                                            |
| NCBI Official Symbol             | F12                                                                                                                                                                |
| NCBI Official Synonym Symbols    | HAF; HAE3; HAEX                                                                                                                                                    |
| NCBI Protein Information         | coagulation factor XII; Hageman factor; beta-factor XIIa part 1; beta-factor XIIa part 2; coagulation factor XIIa heavy chain; coagulation factor XIIa light chain |
| UniProt Protein Name             | Coagulation factor XII                                                                                                                                             |
| UniProt Gene Name                | F12                                                                                                                                                                |
| UniProt Synonym Gene Names       | HAF                                                                                                                                                                |
| UniProt Entry Name               | FA12_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/f12-factor-xii-antibody-immunoprecipitation-immunohistochemistry-elisa/50927>