

## Rabbit anti-Human Protein C Polyclonal Antibody | anti-PROC antibody

Anti-Protein C antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA45084  | Rabbit | Human      | Immunohistochemistry, Western Blot |

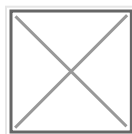
### PRODUCT SYNONYMS

Protein C; Polyclonal Antibody; Anti-Protein C antibody; Vitamin K-dependent protein C; protein C(inactivator of coagulation factors Va and VIIIa); Activation peptide antibody; Anticoagulant protein C antibody; APC antibody; Autoprothrombin IIA antibody; Blood coagulation factor XIV antibody; EC 3.4.21.69 antibody; PC antibody; proC antibody; PROC\_HUMAN antibody; PROC1 antibody; Protein C(inactivator of coagulation factors Va and VIIIa) antibody; THPH3 antibody; THPH4 antibody; Vitamin K dependent protein C antibody; Vitamin K dependent protein C precursor antibody; anti-PROC antibody

### PRODUCT SPECIFICATIONS

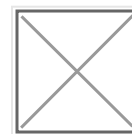
|                                                |                                                                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                               |
| Reactivity                                     | Human                                                                                                                                                                                                |
| Clonality                                      | Polyclonal                                                                                                                                                                                           |
| Isotype                                        | IgG                                                                                                                                                                                                  |
| Purity/Purification                            | Immunogen affinity purified.                                                                                                                                                                         |
| Form/Format                                    | Lyophilized                                                                                                                                                                                          |
| Sequence Length                                | 461                                                                                                                                                                                                  |
| Applicable Applications for anti-PROC antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                        |
| Immunogen                                      | A synthetic peptide corresponding to a sequence at the C-terminus of human Protein C (446-461aa HGHIRDKEAPQKSWAP).                                                                                   |
| Contents                                       | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.                                                                                                               |
| Reconstitution                                 | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                 |
| Preparation and Storage                        | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |

### IMAGES



#### IHC (Immunohistochemistry)

Anti-Protein C antibody, AAA45084, IHC(P)IHC(P): Human Mammary Cancer Tissue



#### WB (Western Blot)

Anti-Protein C antibody, AAA45084, Western blottingLane 1: JURKAT Cell LysateLane 2: CEM Cell LysateLane 3: SMMC Cell LysateLane 4: HELA Cell Lysate

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PROC antibody | <p><b>Description:</b> Rabbit IgG polyclonal antibody for Vitamin K-dependent protein C(PROC) detection. Tested with WB, IHC-P in Human.</p> <p><b>Background:</b> Protein C(PROC), also called PC, is a zymogenic(inactive) protein, the activated form of which plays an important role in regulating blood clotting, inflammation, cell death and maintaining the permeability of blood vessel walls in humans and other animals. The PROC gene is mapped on 2q14.3. The PROC gene contains 8 exons and spans about 11 kb by Foster et al. The conversion of protein C to a protease with anticoagulant function by thrombin requires as a cofactor thrombomodulin, an endothelial cell membrane protein. Riewald et al. demonstrated that activated protein C uses the endothelial cell protein C receptor as a coreceptor for cleavage of protease-activated receptor-1 on endothelial cells. Faust et al. demonstrated that the endothelial pathways required for protein C activation are impaired in severe meningococcal sepsis. They stated that improvement in the outcome of children with meningococcal sepsis who were treated with unactivated protein C concentrates had been described in case reports and in 1 uncontrolled series.</p> |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 131067                                                                                                                      |
| NCBI GeneID                      | 5624                                                                                                                        |
| UniProt Accession #              | P04070; Q15189; Q15190; Q16001; Q53S74; Q9UC55; B4DPQ7                                                                      |
| Molecular Weight                 | 57,556 Da                                                                                                                   |
| NCBI Official Full Name          | Vitamin K-dependent protein C                                                                                               |
| NCBI Official Synonym Full Names | protein C (inactivator of coagulation factors Va and VIIIa)                                                                 |
| NCBI Official Symbol             | PROC                                                                                                                        |
| NCBI Official Synonym Symbols    | PC; APC; PROC1; THPH3; THPH4                                                                                                |
| NCBI Protein Information         | vitamin K-dependent protein C; prepro-protein C; autoprothrombin IIA; anticoagulant protein C; blood coagulation factor XIV |
| UniProt Protein Name             | Vitamin K-dependent protein C                                                                                               |
| UniProt Gene Name                | PROC                                                                                                                        |
| UniProt Entry Name               | PROC_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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