

**Protein C rabbit pAb****Cat#: orb766826 (Manual)**

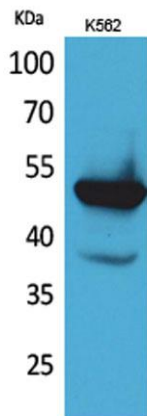
For research use only. Not intended for diagnostic use.

|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | Protein C rabbit pAb  |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | WB;IHC;IF;ELISA   |
| <b>Species Cross-Reactivity</b> | Human;Rat;Mouse;  |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.                    |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from the Internal region of human PROC. AA range:181-230 |
| <b>Specificity</b>              | Protein C Polyclonal Antibody detects endogenous levels of Protein C protein.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | Vitamin K-dependent protein C   |
| <b>Gene Name</b>                | PROC  |
| <b>Cellular localization</b>    | Secreted . Golgi apparatus . Endoplasmic reticulum .  |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Clonality</b>                | Polyclonal  |

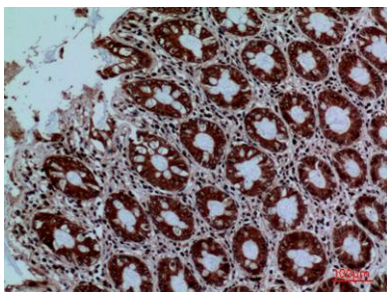
|                                |   |
|--------------------------------|---|
| <b>Concentration</b>           | 1 mg/ml   |
| <b>Observed band</b>           | 52kD  |
| <b>Human Gene ID</b>           | 5624  |
| <b>Human Swiss-Prot Number</b> | P04070  |
| <b>Alternative Names</b>       | PROC; Vitamin K-dependent protein C; Anticoagulant protein C; Autoprothrombin IIA; Blood coagulation factor XIV |

## Background

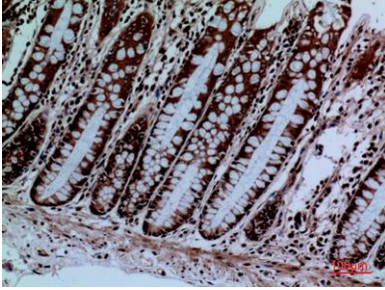
This gene encodes a vitamin K-dependent plasma glycoprotein. The encoded protein is cleaved to its activated form by the thrombin-thrombomodulin complex. This activated form contains a serine protease domain and functions in degradation of the activated forms of coagulation factors V and VIII. Mutations in this gene have been associated with thrombophilia due to protein C deficiency, neonatal purpura fulminans, and recurrent venous thrombosis.[provided by RefSeq, Dec 2009],



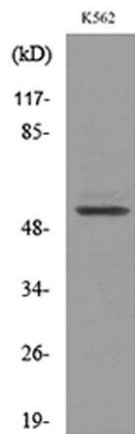
**Western Blot analysis of K562 cells using Protein C Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000**



**Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100**



Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100



Western blot analysis of lysate from K562 cells, using PROC Antibody.