

## Anti-protein C Polyclonal Antibody 2

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow)
Molecular Weight:	Theoretical: 29/46 kDa. Actual: 52 kDa.
Purification:	Protein A purified

### Applications

1. Tissue/cell: rat colitis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-Activated protein C/PROC1 Polyclonal Antibody, Unconjugated (TMAB-11807) 1: 200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, PE conjugated used at 1: 200 dilution for 40 minutes at 37°C.
2. Tissue/cell: Human brain glioma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-Activated protein C/PROC1 Polyclonal Antibody, Unconjugated (TMAB-11807) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
3. Tissue/cell: Rat liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-protein C Polyclonal Antibody, Unconjugated (TMAB-11807) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
4. Tissue/cell: Mouse spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-protein C Polyclonal Antibody, Unconjugated (TMAB-11807) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
5. Sample:  
Lane 1: Rat Kidney tissue lysates  
Lane 2: Rat Colon tissue lysates  
Lane 3: Rat H9C2 cell lysates  
Primary: Anti-protein C (TMAB-11807) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 29/46 kDa  
Observed band size: 52 kDa

Verified Activity:

## A DRUG SCREENING EXPERT

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Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Vitamin K-dependent protein C heavy chain

Antigen Species: Human

Gene ID: 5624

Uniprot ID: P04070

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### Research 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].

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