

DATASHEET

Version: 2016-08-17

Protein C -Tag Antibody (HPC4), pAb, Rabbit

Cat. No.: A00637-40

Size: 40 µg

Synonyms: Rabbit Anti-Protein C (HPC4)-tag pAb;

Description:

Protein C is a Vitamin K-dependent plasma zymogen that is activated by proteolytic cleavage of the thrombin-thrombomodulin complex to form an anticoagulant enzyme. Protein C Tag is a 12 amino acid sequence EDQVDPRLIDGK, which encodes residues 6 through 17 of the heavy chain of the protein. Protein C Tag Antibody is a useful tool in analysis of Protein C fusion proteins.

GenScript **Rabbit Anti-Protein C (HPC4)-tag antibody** is highly purified from rabbit antiserum by immunoaffinity chromatography.

Immunogen: Protein C epitope tag peptide CEDQVDPRLIDGK conjugated to KLH

Host: Rabbit

Conjugation: Unconjugated

Formulation:

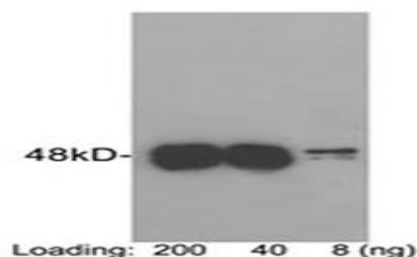
0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: This Antibody recognizes Protein C tagged fusion proteins.

Purification: Immunoaffinity chromatography

Example



Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.1-1.0 µg/ml

Western Blot Using ONE-HOUR Western™ Kit: For quick results, ONE-HOUR Western™ Complete Kit (Rabbit) (GenScript, L00204C) is recommended. 10 µg of this antibody is mixed with 10 ml of WB solution for 8 cm X 8 cm membrane.

Other applications: user-optimized

Reconstitution:

Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.

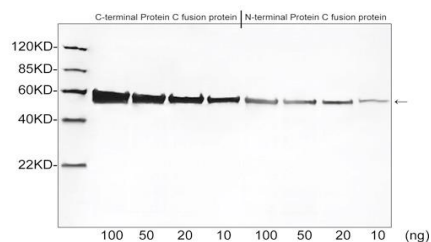
Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Loading: Protein C tag fusion protein expressed in *E. coli* cell lysate

Antibody: Rabbit Anti-Protein C (HPC4)-tag Polyclonal Antibody (GenScript, A00637)

The result was developed with One-Step Western™ Complete Kit (Rabbit) (GenScript, L00204C)



Western blot analysis of Protein C tagged fusion proteins expressed in *E. coli* cell lysate using Rabbit Anti-Protein C-tag Polyclonal Antibody (GenScript, A00637, 1 μ g/ml) The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.