

**PROSC Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13026b**

**Specification**

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**PROSC Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O94903</a>
Other Accession	<a href="#">NP_009129.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	30344
Antigen Region	232-260

**PROSC Antibody (C-term) - Additional Information**

**Gene ID** 11212

**Other Names**

Proline synthase co-transcribed bacterial homolog protein, PROSC

**Target/Specificity**

This PROSC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 232-260 amino acids from the C-terminal region of human PROSC.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PROSC Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PROSC Antibody (C-term) - Protein Information**

**Name** PLPBP {ECO:0000255|HAMAP-Rule:MF\_03225, ECO:0000312|HGNC:HGNC:9457}

**Function** Pyridoxal 5'-phosphate (PLP)-binding protein, which may be involved in intracellular

homeostatic regulation of pyridoxal 5'- phosphate (PLP), the active form of vitamin B6.

#### **Tissue Location**

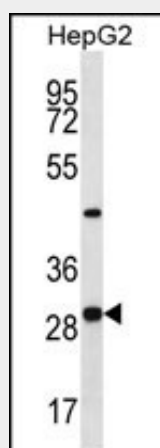
Ubiquitous.

#### **PROSC Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **PROSC Antibody (C-term) - Images**



PROSC Antibody (C-term) (Cat. #AP13026b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the PROSC antibody detected the PROSC protein (arrow).

#### **PROSC Antibody (C-term) - Background**

PROSC is ubiquitously expressed in human tissues and has been highly conserved among divergent species from bacteria to mammals, suggesting it has an important cellular function. PROSC is likely to be a soluble cytoplasmic protein, but its function remains to be determined. The *P. aeruginosa* homolog of this novel gene is located upstream of and may be cotranscribed with a known proline biosynthetic gene, hence the human gene was called PROSC, for 'proline synthetase cotranscribed, bacterial homolog.'

#### **PROSC Antibody (C-term) - References**

Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)  
Ikegawa, S., et al. J. Hum. Genet. 44(5):337-342(1999)