10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PROSC Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13026b

Product Information

Application	WB, E
Primary Accession	O94903
Other Accession	NP_009129.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32806
Calculated MW	30344
Antigen Region	232-260

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.

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.

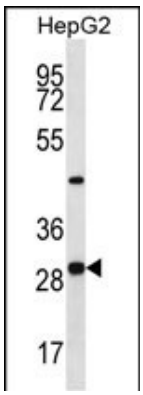
Background

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 celled PROSC, for 'proline synthetase cotranscribed, bacterial homolog.'

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)

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).