

APCS Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10677b

Specification

APCS Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P02743
Other Accession	O13449 , NP_001630.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	25387
Antigen Region	151-178

APCS Antibody (C-term) - Additional Information

Gene ID 325

Other Names

Serum amyloid P-component, SAP, 95S alpha-1-glycoprotein, Serum amyloid P-component(1-203), APCS, PTX2

Target/Specificity

This APCS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 151-178 amino acids from the C-terminal region of human APCS.

Dilution

WB~~1:1000
IHC-P~~1:50~100

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

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

APCS Antibody (C-term) - Protein Information

Name APCS

Synonyms PTX2

Function Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells. May also function as a calcium-dependent lectin.

Cellular Location

Secreted.

Tissue Location

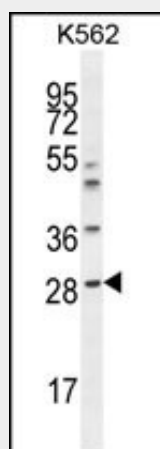
Found in serum and urine.

APCS Antibody (C-term) - Protocols

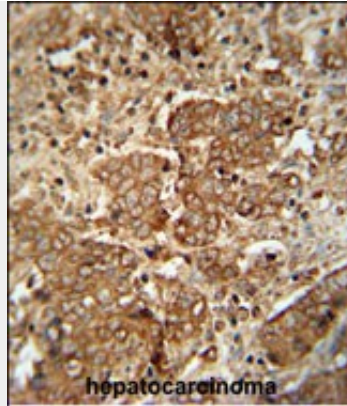
Provided below are standard protocols that you may find useful for product applications.

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

APCS Antibody (C-term) - Images



APCS Antibody (C-term) (Cat. #AP10677b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the APCS antibody detected the APCS protein (arrow).



APCS antibody (C-term) (Cat. #AP10677b) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the APCS antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

APCS Antibody (C-term) - Background

The protein encoded by this gene is a glycoprotein, belonging to the pentraxin family of proteins, which has a characteristic pentameric organization. These family members have considerable sequence homology which is thought to be the result of gene duplication. The binding of the encoded protein to proteins in the pathological amyloid cross-beta fold suggests its possible role as a chaperone. This protein is also thought to control the degradation of chromatin. It has been demonstrated that this protein binds to apoptotic cells at an early stage, which raises the possibility that it is involved in dealing with apoptotic cells in vivo.

APCS Antibody (C-term) - References

- Song, Z., et al. *Atherosclerosis* 211(1):90-95(2010)
- Davila, S., et al. *Genes Immun.* 11(3):232-238(2010)
- McGeachie, M., et al. *Circulation* 120(24):2448-2454(2009)
- Lu, J., et al. *Nature* 456(7224):989-992(2008)
- Verwey, N.A., et al. *Dement Geriatr Cogn Disord* 26(6):522-527(2008)