

Mouse anti-Human APCS/Serum Amyloid P/SAP Monoclonal Antibody | anti-APCS antibody

APCS/Serum Amyloid P/SAP Mouse anti-Human Monoclonal (7F3) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA163098	Mouse	Human	Western Blot, Immunohistochemistry, ELISA

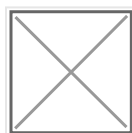
PRODUCT SYNONYMS

APCS/Serum Amyloid P/SAP; Monoclonal Antibody; APCS/Serum Amyloid P/SAP Mouse anti-Human Monoclonal (7F3) Antibody; PathPlus APCS/Serum Amyloid P/SAP Antibody (clone 7F3); APCS; 9.5S alpha-1-glycoprotein; Amyloid P component; serum; Pentaxin-related; PTX2; Serum Amyloid P; Serum amyloid P-component; SAP; anti-APCS antibody

PRODUCT SPECIFICATIONS

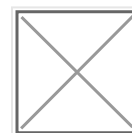
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	7F3
Purity/Purification	Protein A+G purified to greater than 95% as determined by SDS-PAGE.
Form/Format	PBS, pH7.3, 0.02% Sodium Azide, 50% Glycerol
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-APCS antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Target	Human APCS/Serum Amyloid P/SAP
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C for up to 1 year. Avoid freeze/thaw cycles.

IMAGES



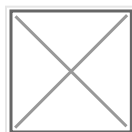
IHC (Immunohistochemistry)

APCS/Serum Amyloid P/SAP Antibody-Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

APCS/Serum Amyloid P/SAP Antibody-Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

APCS/Serum Amyloid P/SAP Antibody-Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-APCS antibody	SAP antibody is an unconjugated mouse monoclonal antibody to human SAP (APCS/Serum Amyloid P). Validated for ELISA, IHC and WB. APCS (Serum Amyloid P Component/SAP) is a glycoprotein belonging to the pentraxin family of proteins. In the brain of patients with Alzheimer's disease, APCS binds to amyloid fibrils and paired helical filaments and is present in cerebrospinal fluid, neurofibrillary tangles and amyloid plaques. It is used as a marker for amyloid deposits in immunohistochemistry. Roughly 14% of the dry mass of amyloid deposits is composed of APCS, and it is a likely contributor to the pathogenesis of amyloidosis. 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, and it has been demonstrated that APCS binds to apoptotic cells at an early stage. In immunohistochemistry of normal tissue, APCS is positive in plasma and in hepatocytes in the liver.
References	Nature Medicine. 1997. 3 (8): 855 -9, PMID: 9256275; PLoS One. 2016 Jul 18;11(7):e0159294, PMID: 27428539; Dementia. 1996 Sep-Oct;7(5):256-9, PMID: 8872416; PNAS May 5, 2009 106 (18) 7619-7623; PMID: 10.1073/pnas.0902640106; Cellular and Molecular Pathobiology of Cardiovascular Disease. Academic Press. 2014 Jan. 32. ISBN: 9780124052062;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502133
NCBI GeneID	325
NCBI Accession #	NP_001630.1
NCBI GenBank Nucleotide #	NM_001639
UniProt Accession #	P02743
Molecular Weight	25,387 Da
NCBI Official Full Name	serum amyloid P-component
NCBI Official Synonym Full Names	amyloid P component, serum
NCBI Official Symbol	APCS
NCBI Official Synonym Symbols	SAP; PTX2
NCBI Protein Information	serum amyloid P-component; pentaxin-related; 9.5S alpha-1-glycoprotein
UniProt Protein Name	Serum amyloid P-component
UniProt Gene Name	APCS
UniProt Synonym Gene Names	PTX2; SAP
UniProt Entry Name	SAMP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.