# antibodies .- online.com







## anti-APCS antibody (AA 143-223)

APCS-3240

IgG2b kappa

Purified by Protein A/G

**Images** 



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Quantity:	100 μg
Target:	APCS
Binding Specificity:	AA 143-223
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This APCS antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)
Product Details	
Immunogen:	Recombinant fragment of human APCS protein (around aa 143-223) (exact sequence is proprietary)

Clone:

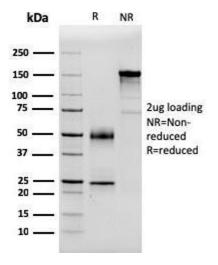
Isotype:

Purification:

Target Details	
Target:	APCS
Alternative Name:	APCS (APCS Products)
Background:	Serum amyloid P (SAP) is a glycoprotein belonging to the pentraxin family of proteins, which

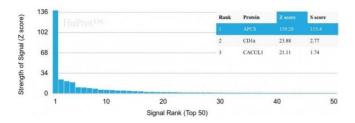
Target Details	
	has a characteristic pentameric organization and calciumdependent ligand binding. Secreted by
	liver epithelial cells, SAP is found in serum and urine. Although the function of SAP has not been
	clearly established, it has been shown to interact with DNA and histones and is thought to play
	a role in scavenging nuclear material released from damaged circulating cells. Also designated
	PTX2, SAP is a precursor of the protein amyloid P component (AP), which is universally
	associated with the amyloid deposits in all forms of amyloidoses, including Alzheimer s
	disease. SAP is a decamer of ten identical, noncovalently linked subunits, each of which may be
	post-translationally modified by glycosylation.
Molecular Weight:	200kDa (oligomeric), 26kDa (non-covalently bound subunit), 30kDa (glycosylated SAP subunit)
Gene ID:	325
UniProt:	P02743
Application Details	
Application Notes:	Positive Control: Human endometrial carcinoma tissue (IHC).
	Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)
	(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH,
	6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific
	application should be determined.
Restrictions:	For Research Use only
Handling	
Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide

Concentration:	200 μg/mL	
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-80 °C	
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.	
Expiry Date:	24 months	



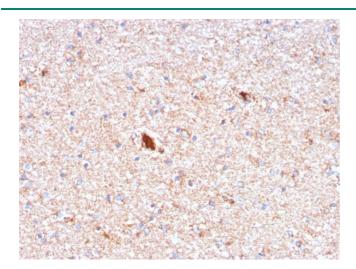
#### **SDS-PAGE**

**Image 1.** SDS-PAGE Analysis Purified PSA Mouse Monoclonal Antibody (APCS/3240). Confirmation of Integrity and Purity of Antibody.



#### **Protein Array**

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Serum Amyloid P Mouse Monoclonal Antibody (APCS/3240). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. Sscore therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



### **Immunohistochemistry**

**Image 3.** Formalin-fixed, paraffin-embedded human Brain stained with Serum Amyloid P Mouse Monoclonal Antibody (APCS/3240).