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SAA1 Rabbit pAb

Catalog # AP96999

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P05366
Other Accession	P05366
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13770
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse SAA1
Epitope Specificity	41-100/122
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBUNIT	Homohexamer; dimer of trimers. Can form amyloid fibrils after partial proteolysis; the native, undenatured protein does not form amyloid fibrils (in vitro). Apolipoprotein of the HDL complex. Binds to heparin.
Post-translational modifications	This protein is the precursor of amyloid protein A, which is formed by the removal of approximately 24 residues from the C-terminal end.
DISEASE	Reactive, secondary amyloidosis is characterized by the extracellular accumulation in various tissues of the SAA1 protein. These deposits are highly insoluble and resistant to proteolysis; they disrupt tissue structure and compromise function. Elevated serum SAA1 protein levels may be associated with lung cancer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the serum amyloid A family of apolipoproteins. The encoded protein is a major acute phase protein that is highly expressed in response to inflammation and tissue injury. This protein also plays an important role in HDL metabolism and cholesterol homeostasis. High levels of this protein are associated with chronic inflammatory diseases including atherosclerosis, rheumatoid arthritis, Alzheimer's disease and Crohn's disease. This protein may also be a potential biomarker for certain tumors. Alternate splicing results in multiple transcript variants that encode the same protein. A pseudogene of this gene is found on chromosome 11.[provided by RefSeq, Jun 2012]

Additional Information

Gene ID	20208
Other Names	PIG4; SAA; SAA2; TP53I4; Saa-1; SAA1_HUMAN; SAA1; SAA1_MOUSE; serum amyloid A1

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Saa1
Function	Major acute phase protein.
Cellular Location	Secreted.
Tissue Location	Detected in blood plasma (at protein level). Detected in liver.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.