Rabbit anti-Human SAA4 Monoclonal Antibody | anti-SAA4 antibody

Recombinant Anti-SAA4 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255399	**Rabbit**	**Human**	**Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot**

PRODUCT SYNONYMS

SAA4; Monoclonal Antibody; Recombinant Anti-SAA4 Antibody; Rabbit Monoclonal; SAA4 Antibody; Rabbit MAb; serum amyloid A4; constitutive; Anti-C-SAA Antibody; Anti-CSAA Antibody; Anti-SAA4 Antibody; anti-SAA4 antibody

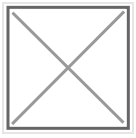
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	001
Specificity	Human SAA4
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SAA4 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human SAA4 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human SAA4 (rh SAA4).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES

WB (Western Blot)
Anti-SAA4 rabbit monoclonal antibody at 1:500 dilutionLane A: 293T Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:15 kDaObserved band size:14 kDa

FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human SAA4 expression on HepG2 cells. The cells were treated according to manufacturer's manual (BD Pharmingen'), stained with purified anti-Human SAA4, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IF (Immunofluorescence)
Immunofluorescence staining of Human SAA4 in HepG2 cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human SAA4 monoclonal antibody (1:60) at 37 degree C 1 hour. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.

ADDITIONAL INFORMATION

Related Product Information for anti-SAA4 antibody	SAA4 is a member of the SAA family. SAA proteins are family of apolipoproteins of high density lipoprotein (HDL). They can be separated into two distinct groups. First group (SAA1, SAA2, and SAA3) consists of acute phase reactant whose expression level increase in the blood in a response to trauma, infection, inflammation, and neoplasia. These acute phase SAAs associates with HDL during inflammation and remodel the HDL particle by displacing Apo-A1. The second distinct group consists of SAA4 and SAA5 which exist as the minor apolipoproteins on HDL, but this group of SAA constitutes more than 90% of all the SAA during homeostasis, and it is thought to play a role in the normal functioning of the HDL particle. SAA4 is a constitutively expressed protein which expressed only in humans and mice. It is connected almost completely with lipoproteins of the high density range. The physiological function of SAA4 is unknown, and its serum concentration has no association with those of other major apolipoproteins.
References	Davila S, et al. (2010) New genetic associations detected in a host response study to hepatitis B vaccine. Genes Immun. 11(3):232-8.Murphy CL, et al. (2009) AA amyloidosis associated with a mutated serum amyloid A4 protein. Mol Med. Amyloid. 16(2):84-8.Prakash T, et al. (2010) Expression of conjoined genes: another mechanism for gene regulation in eukaryotes. PLoS One. 5(10):e13284.

NCBI AND UNIPROT INFORMATION

NCBI GI #	315075333
NCBI GeneID	6291
NCBI Accession #	NP_006503.2
NCBI GenBank Nucleotide #	NM_006512.3
UniProt Accession #	P35542; Q6FHJ4
Molecular Weight	14,747 Da
NCBI Official Full Name	serum amyloid A-4 protein
NCBI Official Synonym Full Names	serum amyloid A4, constitutive
NCBI Official Symbol	SAA4
NCBI Official Synonym Symbols	CSAA; C-SAA
NCBI Protein Information	serum amyloid A-4 protein; constitutively expressed serum amyloid A protein
UniProt Protein Name	Serum amyloid A-4 protein
UniProt Gene Name	**SAA4**
UniProt Synonym Gene Names	CSAA; C-SAA
UniProt Entry Name	SAA4_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.

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