

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serum Amyloid A4 in direct ELISAs and Western blots. In direct ELISAs, less than 20% cross-reactivity with recombinant mouse Serum Amyloid A4 is observed and less than 5% cross-reactivity with recombinant human (rh) Serum Amyloid A1 and rhSerum Amyloid A2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Serum Amyloid A4 Glu19-Tyr130 Accession # P35542
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

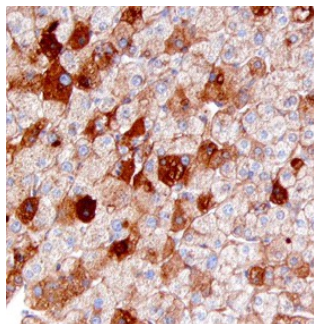
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human Serum Amyloid A4
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



Serum Amyloid A4 in Human Liver. Serum Amyloid A4 was detected in immersion fixed paraffin-embedded sections of human liver using 15 µg/mL Goat Anti-Human Serum Amyloid A4 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3856) overnight at 4 °C. Before incubation with the primary antibody tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained with the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Serum Amyloid A4 (SAA4) is a constitutively expressed SAA protein that is also known as C-SAA. It is an apolipoprotein that constitutes more than 90% of SAA on HDL during homeostasis, and may be involved in lipid transfer between lipoprotein classes. Mature human SAA4 contains 112 amino acid (aa) residues. It is primarily produced in hepatocytes and secreted plasma. In solution, SAA4 is reported to form stable dimers and trimers. Human and mouse SAA4 share 57% aa sequence identity.