

DATASHEET

Version: 2016-08-17

SAA1 Antibody, pAb, Rabbit**Cat. No.:** A00944-40**Size:** 40 µg**Synonyms:** Rabbit Anti-SAA1 pAb;**Description:**

The serum amyloid A (SAA) family comprises a number of differentially expressed lipoproteins, acute phase SAA1 and SAA2, the former being a major component in plasma, and constitutive SAAs (C-SAAs). Although the liver is the primary site of synthesis of both SAA types, extrahepatic production has been reported. The in vivo concentrations of SAA increase by as much as 1000 fold during inflammation. Several studies have expressed SAAs importance in the diagnosis and monitoring of various diseases. Pathological SAA values are often detected in association with normal CRP concentrations. SAA rises earlier and more sharply than CRP.

SAA enhances the binding of HDLs to macrophages and thus helps the delivery of lipid to sites of injury for use in tissue repair. It is thus thought to be an integral part of the disease process. In addition, recent experiments suggest that SAA may play a housekeeping role in normal human tissues. Elevated level of SAA over time predisposes secondary amyloidosis and extracellular accumulation of amyloid fibrils which are derived from a circulating precursor in various tissues and organs. The most common form of amyloidosis occurs secondary to chronic inflammatory disease, particularly rheumatoid arthritis.

GenScript **Rabbit Anti-SAA1 Polyclonal Antibody** is developed in rabbit using a synthetic peptide (KLH-coupled) derived from human SAA1.

Immunogen: Synthetic peptide (KLH-coupled) derived from human SAA1

Host: Rabbit

Antigen Synonyms: Human

Example

Conjugation: Unconjugated

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-SAA1 Polyclonal Antibody detects recombinant human SAA1 protein. Predicted to react with mouse, rat and bovine SAA1 according to sequence homology.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.5-2 µg/ml

Other applications: user-optimized

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.



Western blot analysis of recombinant Human SAA1 protein.
Primary antibody: 1 µg/ml Rabbit Anti-SAA1 Polyclonal Antibody (GenScript, A00944)
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.