

Anti-SAA1 + SAA2 Antibody [PSH21-34]

HA724217



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Mouse
Applications:	WB, IHC-P
Molecular Wt:	Predicted band size: 14 kDa
Clone number:	PSH21-34

Description: Serum amyloid A1 (SAA1) is a protein that in humans is encoded by the SAA1 gene. Serum amyloid A protein is a protein that in humans is encoded by the SAA2 gene. SAA1 is a major acute-phase protein mainly produced by hepatocytes in response to infection, tissue injury and malignancy. When released into blood circulation, SAA1 is present as an apolipoprotein associated with high-density lipoprotein (HDL). SAA1 is a major precursor of amyloid A (AA), the deposit of which leads to inflammatory amyloidosis.

Immunogen: Recombinant protein within mouse SAA1 aa 1-122.

Positive control: Mouse plasma tissue lysate, Mouse serum tissue lysate, mouse liver tissue.

Subcellular location: Secreted.

Database links: SwissProt: P05366 Mouse | P05367 Mouse

Recommended Dilutions:

WB	1:5,000
IHC-P	1:200

Storage Buffer: 1*PBS (pH7.4), 0.1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Shipped at 4℃. Store at +4℃ short term (1-2 weeks). Store at -20℃ long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

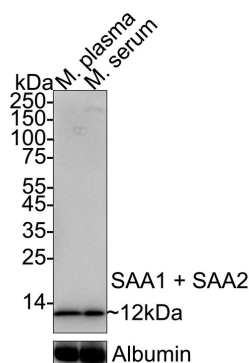


Fig1: Western blot analysis of SAA1 + SAA2 on different lysates with Rabbit anti-SAA1 + SAA2 antibody (HA724217) at 1/5,000 dilution.

Lane 1: Mouse plasma tissue lysate

Lane 2: Mouse serum tissue lysate

Lysates/proteins at 20 µg/Lane.

Predicted band size: 14 kDa

Observed band size: 12 kDa

Exposure time: 3 minutes; ECL: K1801;
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA724217) at 1/5,000 dilution was used in primary antibody dilution (K1803) at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

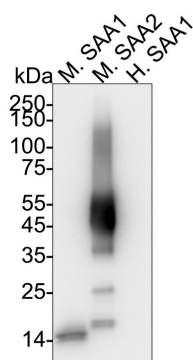


Fig2: Western blot analysis of SAA1 + SAA2 on different lysates with Rabbit anti-SAA1 + SAA2 antibody (HA724217) at 1/5,000 dilution.

Lane 1: no-tagged Mouse SAA1 recombinant protein

Lane 2: Avi-Ltag-His-tagged Mouse SAA2 recombinant protein

Lane 2: Flag-tagged Human SAA1 recombinant protein

Lysates/proteins at 20 ng/Lane.

Exposure time: 4 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA724217) at 1/5,000 dilution was used in primary antibody dilution (K1803) at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

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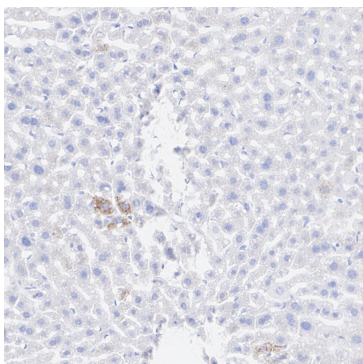


Fig3: Immunohistochemical analysis of paraffin-embedded mouse liver tissue with Rabbit anti-SAA1 + SAA2 antibody (HA724217) at 1/200 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (HA724217) at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Li L et al. Multi-omics data reveal that SAA1 + fibroblasts exacerbate periodontitis by regulating macrophage inflammation and chemotaxis. J Transl Med. 2025 Aug
2. Xie S et al. Small proline-rich protein 2A drives epithelial remodeling in eosinophilic chronic rhinosinusitis with nasal polyps via SAA2 upregulation. J Allergy Clin Immunol. 2025 Oct

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