

**Goat Anti-Alpha2-antiplasmin Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1054a

**Specification**

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**Goat Anti-Alpha2-antiplasmin Antibody - Product Information**

Application	IHC, WB, IF, FC
Primary Accession	<a href="#">P08697</a>
Other Accession	<a href="#">NP_000925</a> , <a href="#">5345</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	54566

**Goat Anti-Alpha2-antiplasmin Antibody - Additional Information**

**Gene ID** 5345

**Other Names**

Alpha-2-antiplasmin, Alpha-2-AP, Alpha-2-plasmin inhibitor, Alpha-2-PI, Serpin F2, SERPINF2, AAP, PLI

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-Alpha2-antiplasmin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-Alpha2-antiplasmin Antibody - Protein Information**

**Name** SERPINF2

**Synonyms** AAP, PLI

**Function**

Serine protease inhibitor. The major targets of this inhibitor are plasmin and trypsin, but it also inactivates matriptase- 3/TMPRSS7 and chymotrypsin.

**Cellular Location**

Secreted.

#### Tissue Location

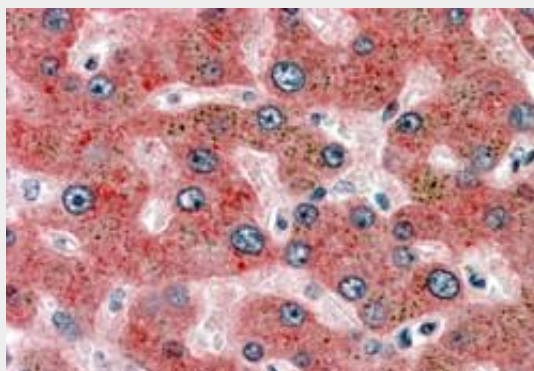
Expressed by the liver and secreted in plasma.

#### Goat Anti-Alpha2-antiplasmin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

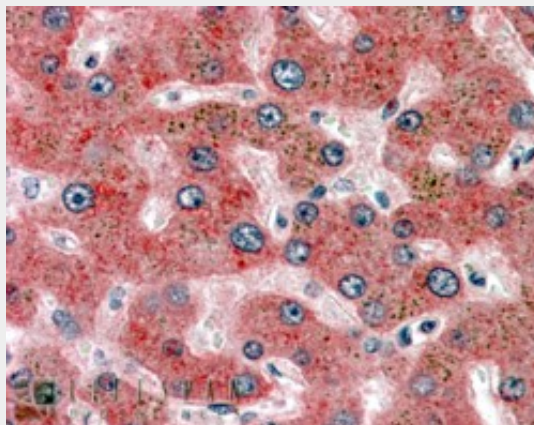
#### Goat Anti-Alpha2-antiplasmin Antibody - Images



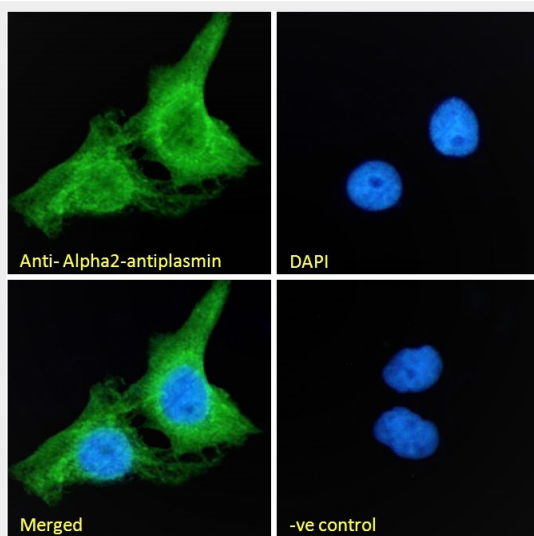
AF1054a (3.8  $\mu\text{g/ml}$ ) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



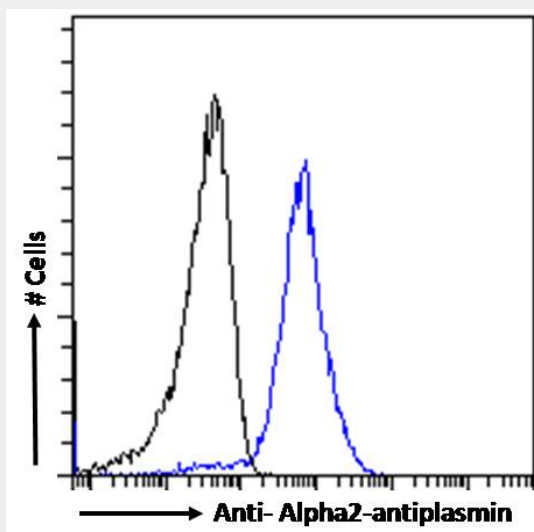
EB08777 (0.1 $\mu\text{g/ml}$ ) staining of HepG2 cell lysate (35 $\mu\text{g}$  protein in RIPA buffer). Detected by chemiluminescence.



EB08777 (3.8µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08777 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (b



EB08777 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line),

permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) fol

### **Goat Anti-Alpha2-antiplasmin Antibody - Background**

This gene encodes a member of the serpin family of serine protease inhibitors. The protein is a major inhibitor of plasmin, which degrades fibrin and various other proteins. Consequently, the proper function of this gene has a major role in regulating the blood clotting pathway. Mutations in this gene result in alpha-2-plasmin inhibitor deficiency, which is characterized by severe hemorrhagic diathesis. Multiple transcript variants encoding different isoforms have been found for this gene.

### **Goat Anti-Alpha2-antiplasmin Antibody - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

The human alpha(2)-plasmin inhibitor: functional characterization of the unique plasmin(ogen)-binding region. Gerber SS, et al. Cell Mol Life Sci, 2010 May. PMID 20112045.

Osteopontin is cleaved at multiple sites close to its integrin-binding motifs in milk and is a novel substrate for plasmin and cathepsin D. Christensen B, et al. J Biol Chem, 2010 Mar 12. PMID 20071328.

Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.

A non-reactive glutamine residue of alpha2-antiplasmin promotes interactions with the factor XIII active site region. Cleary DB, et al. J Thromb Haemost, 2009 Nov. PMID 19691486.