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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB08777 - Goat Anti-Alpha2-antiplasmin Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SERPINF2, serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2, A2AP, AAP, ALPHA-2-PI, API, PLI, alpha-2-plasmin inhibitor, serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2

Official Symbol: SERPINF2

Accession Number(s): NP_000925.2; NP_001159393.1

Human GeneID(s): [5345](#)

Important Comments: This antibody is expected to recognise both reported isoforms (NP_000925.2; NP_001159393.1). Reported variants represent identical protein (NP_000925.2; NP_001159392.1).

Immunogen

Peptide with sequence C-KDFLQSLKGFPGRGDK, from the internal region of the protein sequence according to NP_000925.2; NP_001159393.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Approx 70kDa band observed in lysates of cell line HepG2 (calculated MW of 54.6kDa according to NP_000925.2). The observed molecular weight is observed by other sources. Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature. This antibody has been successfully used in WB on Human: Abdul S et al. (2020) PMID: 32034861.

IHC: In paraffin embedded Human Liver shows spotty cytoplasm staining in hepatocytes. Recommended concentration: 3-5µg/ml.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of A431 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

Specific Reference

This antibody has been successfully used in Western blot on Human:

Abdul S, Dekkers DHW, Ariëns RAS, Leebeek FWG, Rijken DC, Uitte de Willige S
On the localization of the cleavage site in human alpha-2-antiplasmin, involved in the generation of the non-plasminogen binding form.

J Thromb Haemost. 2020 Feb 8

EB08777 (0.1µg/ml) staining of HepG2 cell lysate (35µg 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 (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

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) followed by Alexa Fluor 488 secondary antibody.