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Research Use Only. Not for diagnostic or therapeutic use.

EB12280 - Goat Anti-alpha-1-antitrypsin (aa230-241) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SERPINA1, serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1, A1A, A1AT, AAT, PI, PI1, PRO2275, alpha1AT, alpha-1 protease inhibitor, alpha-1-antiproteinase, alpha-1-antitrypsin, alpha-1-antitrypsin null, protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin, serine (or cysteine) proteinase inhibitor, clade A, member 1, serpin A1 Official Symbol: SERPINA1 Accession Number(s): NP_000286.3 Human GeneID(s): 5265 Important Comments: Reported variants represent identical protein: NP_001121174.1, NP_001121179.1, NP_001121172.1, NP_001121177.1, NP_001121178.1, NP_001121176.1, NP_001121175.1, NP_000286.3, NP_001121173.1, NP_001002236.1,

Immunogen

NP_001002235.1.

Peptide with sequence C-EDFHVDQVTTVK, from the internal region of the protein sequence according to NP_000286.3.

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.

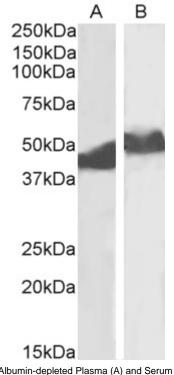
Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 49kDa band observed in Albumin-deplete Human Plasma and Serum lysates (calculated MW of 46.7kDa according to NP_000286.3). Recommended concentration: 0.01-0.03µg/ml.

Species Reactivity

Tested: Human Expected from sequence similarity: Human



EB12280 (0.01µg/ml) staining of Albumin-depleted Plasma (A) and Serum (B) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.