

Goat anti-PAI1 / SERPINE1 Antibody

Item Number	dAP-0623
Target Molecule	Principle Name: PAI1 / SERPINE1; Official Symbol: SERPINE1; All Names and Symbols: SERPINE1; PAI1; PAI; PAI-1; PLANH1; serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1; plasminogen activator inhibitor, type I; serpin peptidase inhibitor, clade E (nexin, plasminogen activator in; Accession Number (s): NP_000593.1; Human Gene ID(s): 5054; Non-Human GeneID(s):
Immunogen	GFKIDDKGMAPALRH, is from internal region
Applications	Pep ELISA, WB, IHC, EIA Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	Western Blot: Approx 48kDa band observed in Human Liver and HeLa lysates, while approx. 45kDa observed in lysates of cell lines A549 and HepG2 (calculated MW of 45.1kDa according to NP_000593.1). The observed molecular weights correspond to earlier findings.
IHC	Immunohistochemistry: In paraffin embedded Human Placenta shows strong staining of cytotrophoblasts. Recommended concentration: 4-6µg/ml. A customer successfully used this product on Human Breast cancer.
Reference	Reference(s): Baumruker T, Csonga R, Pursch E, Pfeffer A, Urtz N, Sutton S, Bofill-Cardona E, Cooke M, Prieschl E. Activation of mast cells by incorporation of cholesterol into rafts. Int Immunol. 2003 Oct;15(10):1207-18. .PMID: 13679390 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**