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Research Use Only. Not for diagnostic or therapeutic use.

EB06720-T - Goat Anti-PAI1 / SERPINE1 Antibody -

Size: 20µg specific antibody in 40µl

Target Protein

Principal Names: 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 inhibitor type 1), member 1, plasminogen activator inhibitor-1, endothelial plasminogen activator inhibitor, plasminogen activator inhibitor, type I, plasminogen activator inhibitor-1, serpin E1, SERPINE1

Official Symbol: SERPINE1

Accession Number(s): NP_000593.1

Human GeneID(s): 5054

Immunogen

Peptide with sequence C-GFKIDDKGMAPALRH, from the internal region of the protein sequence according to NP_000593.1.

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 1:64000.

Western blot: Approx 48kDa band observed in Human Liver and HeLa lysates, while approx. 45kDa observed in lyates of cell lines A549 and HepG2 (calculated MW of 45.1kDa according to NP_000593.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.1-0.3μg/ml. Primary incubation was 1 hour. IHC: 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.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog

Specific Reference

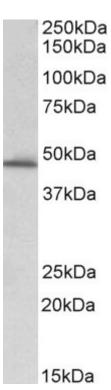
This antibody has been successfully used in the following paper:

Kozaczuk A, Selmi A, Bednarek R.

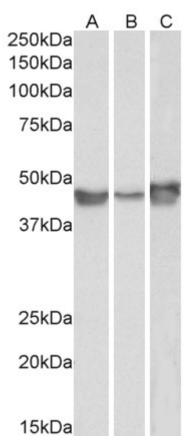
Bacterial expression, purification and angiogenesis-promoting activity of human thymosin $\beta 4$.

Protein Expr Purif. 2013 Aug;90(2):142-52.

PMID: 23769831

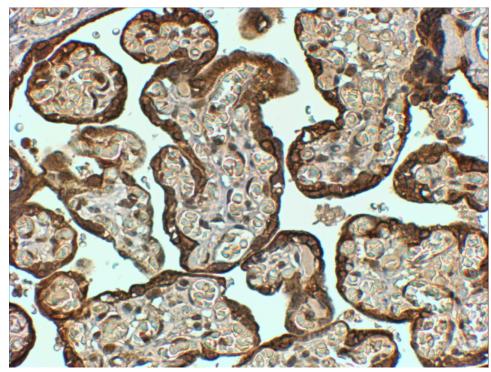


EB06720 (0.3μg/ml) staining of Human Liver lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB06720 (0.1μg/ml) staining of A549 (A), HepG2 (B) and HeLa (C) lysates (35μg protein in RIPA buffer).

Detected by chemiluminescence.



EB06720 (4µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.