

Goat Anti-SERPINA10 / ZPI Antibody
Peptide-affinity purified goat antibody
Catalog # AF1977a**Specification**

Goat Anti-SERPINA10 / ZPI Antibody - Product Information

Application	WB, E
Primary Accession	O9UK55
Other Accession	NP_057270 , 51156
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	50707

Goat Anti-SERPINA10 / ZPI Antibody - Additional Information**Gene ID** 51156**Other Names**

Protein Z-dependent protease inhibitor, PZ-dependent protease inhibitor, PZI, Serpin A10, SERPINA10, ZPI

Dilution

WB~~1:1000

E~~N/A

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-SERPINA10 / ZPI Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-SERPINA10 / ZPI Antibody - Protein Information**Name** SERPINA10**Synonyms** ZPI**Function**

Inhibits activity of the coagulation protease factor Xa in the presence of PROZ, calcium and phospholipids. Also inhibits factor XIa in the absence of cofactors.

Cellular Location

Secreted.

Tissue Location

Expressed by the liver and secreted in plasma.

Goat Anti-SERPINA10 / ZPI 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-SERPINA10 / ZPI Antibody - Images

AF1977a (0.5 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-SERPINA10 / ZPI Antibody - Background

The protein encoded by this gene belongs to the serpin family. It is predominantly expressed in the liver and secreted in plasma. It inhibits the activity of coagulation factors Xa and XIa in the presence of protein Z, calcium and phospholipid. Mutations in this gene are associated with venous thrombosis. Alternatively spliced transcript variants have been found for this gene.

Goat Anti-SERPINA10 / ZPI Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-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.

Basis for the specificity and activation of the serpin protein Z-dependent proteinase inhibitor (ZPI) as an inhibitor of membrane-associated factor Xa. Huang X, et al. J Biol Chem, 2010 Jun 25. PMID 20427285.

Protein Z and protein Z-dependent protease inhibitor and renal tubules. Broze GJ Jr, et al. Thromb Haemost, 2010 Feb 1. PMID 20024489.

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 computational modeling and molecular dynamics study of the Michaelis complex of human protein Z-dependent protease inhibitor (ZPI) and factor Xa (FXa). Chandrasekaran V, et al. J Mol Model, 2009 Aug. PMID 19172319.