

For Research Use Only

Zinc Alpha 2 Glycoprotein Recombinant monoclonal antibody, PBS Only (Detector)



Catalog Number: 86781-3-PBS

Basic Information

Catalog Number: 86781-3-PBS	GenBank Accession Number: BC033830	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 563	CloneNo.: 251605B9
Source: Rabbit	UNIPROT ID: P25311	
Isotype: IgG	Full Name: alpha-2-glycoprotein 1, zinc-binding	
Immunogen Catalog Number: EG6736	Calculated MW: 298 aa, 34 kDa	
	Observed MW: 41 kDa	

Applications

Tested Applications:
WB, IHC, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

86781-3-PBS targets Zinc Alpha 2 Glycoprotein as part of a matched antibody pair:

MP02669-2: 86781-2-PBS capture and 86781-3-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

Zinc-alpha-2-glycoprotein (AZGP1) is a 41-kDa soluble protein normally found in body fluids, functions as a lipid mobilizing factor (PMID: 19188554). It is known to be expressed in the secretory epithelia of the liver, lung, breast, GI tract and sweat glands, sharing significant structural similarity with the class I major histocompatibility complex (MHC) antigens (PMID: 3422450). AZGP1 is involved in carcinogenesis and differentiation. Altered expression of AZGP1 has been reported in breast cancer, prostate cancer and lung adenocarcinoma, hepatocellular carcinoma, pancreatic carcinoma and oral tumors (PMID: 22625427).

Storage

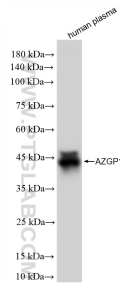
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

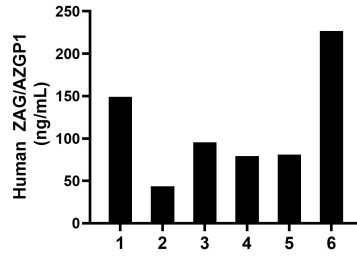
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

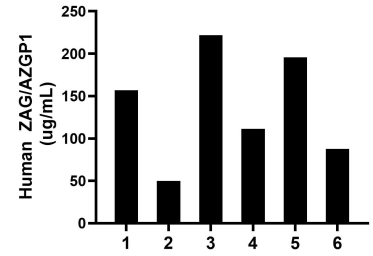
Selected Validation Data



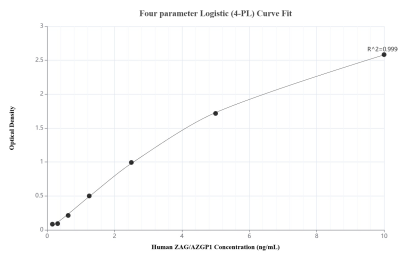
human plasma were subjected to SDS PAGE followed by western blot with 86781-3-RR (AZGP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86781-3-PBS in a different storage buffer formulation.



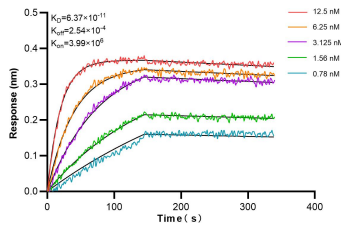
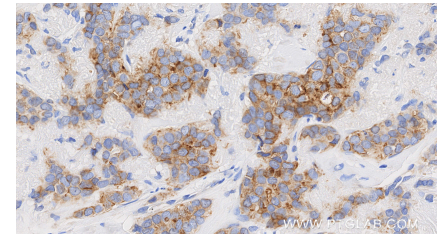
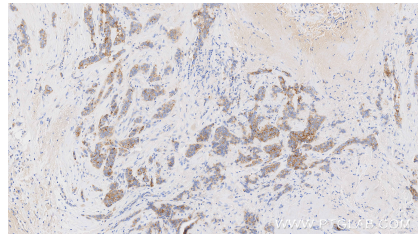
Urine of six individual healthy human donors was measured. The ZAG/AZGP1 concentration of detected samples was determined to be 112.47 ng/mL with a range of 43.71-226.60 ng/mL.



Plasma of six individual healthy human donors was measured. The ZAG/AZGP1 concentration of detected samples was determined to be 137.18 ug/mL with a range of 49.90-221.70 ug/mL.



Sandwich ELISA standard curve of MP02669-2, Human ZAG/AZGP1 Recombinant Matched Antibody Pair - PBS only. 86781-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg6736. 86781-3-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 86781-3-RR against Human Zinc Alpha 2 Glycoprotein were performed. The affinity constant is 63.7 pM.