

For Research Use Only

Zinc Alpha 2 Glycoprotein Recombinant monoclonal antibody

Catalog Number: 86781-3-RR



Basic Information

Catalog Number: 86781-3-RR	GenBank Accession Number: BC033830	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 563	CloneNo.: 251605B9
Isotype: IgG	UNIPROT ID: P25311	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:250-1:1000
Immunogen Catalog Number: EG6736	Full Name: alpha-2-glycoprotein 1, zinc-binding	
	Calculated MW: 298 aa, 34 kDa	
	Observed MW: 41 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : human plasma, IHC : human breast cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

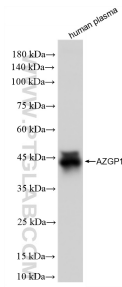
T: 4006900926

E: Proteintech-CN@ptglab.com

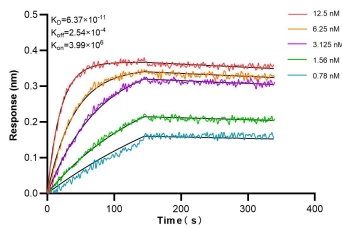
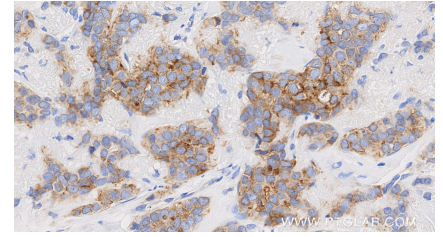
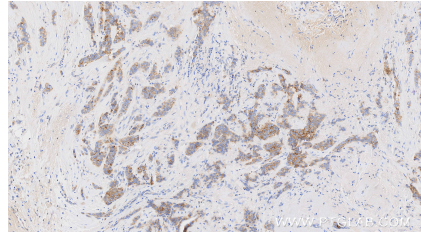
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Selected Validation Data



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.



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