

Zinc-alpha-2-glycoprotein Polyclonal Antibody

Catalog number: 13399-1-AP

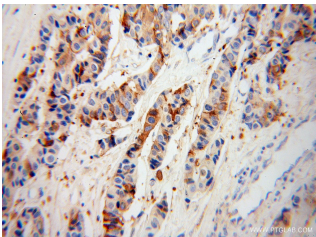
Size: 24 µg/150 µl

Source: Rabbit

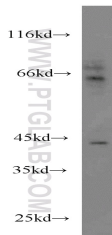
Isotype: IgG

Synonyms:

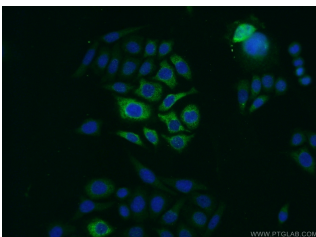
AZGP1; AZGP1, ZA2G, ZAG,
Zinc-alpha-2-glycoprotein, Zn
alpha 2 glycoprotein, Zn alpha
2 GP, ZNGP1



Immunohistochemical of paraffin-embedded human breast cancer using 13399-1-AP (AZGP1 antibody) at dilution of 1:100 (under 40x lens)



PC-3 cells were subjected to SDS PAGE followed by western blot with 13399-1-AP (AZGP1 antibody) at dilution of 1:500



Immunofluorescent analysis of PC-3 cells using 13399-1-AP (AZGP1 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Background

Zinc-alpha-2-glycoprotein (AZGP1) is a 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).

Applications

Tested applications:	ELISA, WB, IHC, IF
Cited applications:	IHC, WB
Species specificity:	Human; other species not tested.
Cited species:	Human
Calculated Zinc-alpha-2-glycoprotein MW:	298aa,34 kDa
Observed Zinc-alpha-2-glycoprotein MW:	41 kDa or 33 kDa
Positive WB detected in	PC-3 cells, MCF7 cells
Positive IHC detected in	Human breast cancer tissue
Positive IF detected in	PC-3 cells
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4232
GenBank accession number:	BC033830
Gene ID (NCBI):	563
Full name:	Alpha-2-glycoprotein 1, zinc-binding

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.