

For Research Use Only

Zinc Alpha 2 Glycoprotein Polyclonal antibody



Catalog Number: 13399-1-AP

5 Publications

Basic Information

| | | |
|--|---|---|
| Catalog Number: 13399-1-AP | GenBank Accession Number: BC033830 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 160 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 563 | Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:20-1:200 |
| Source: Rabbit | Full Name: alpha-2-glycoprotein 1, zinc-binding | |
| Isotype: IgG | Calculated MW: 298 aa, 34 kDa | |
| Immunogen Catalog Number: AG4232 | Observed MW: 41 kDa | |

Applications

| | |
|---|--|
| Tested Applications: IF, IHC, WB, ELISA | Positive Controls: WB : human plasma tissue, MCF-7 cells |
| Cited Applications: IHC, WB | IHC : human breast cancer tissue, |
| Species Specificity: human | IF : PC-3 cells, |
| Cited Species: human | |

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).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|---------------------|-----------|-------------------------|-------------|
| Christoph Burdelski | 26383228 | Int J Cancer | IHC |
| Huang Yan Y | 22625427 | J Transl Med | IHC |
| Miroslav Balaz | 24753506 | Obesity (Silver Spring) | IHC |

Storage

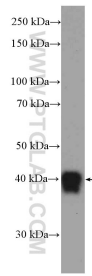
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

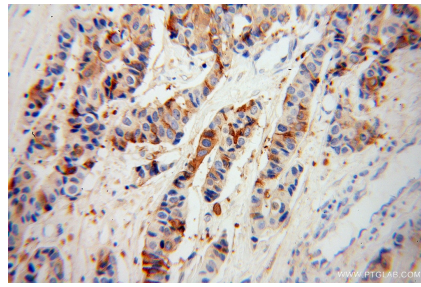
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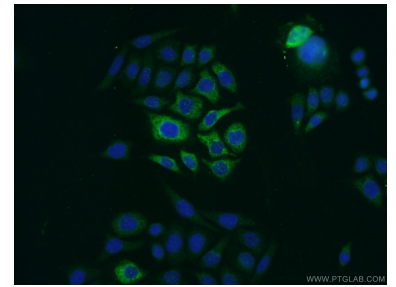
Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 13399-1-AP (Zinc-alpha-2-glycoprotein antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 13399-1-AP (Zinc-alpha-2-glycoprotein antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of PC-3 cells using 13399-1-AP (Zinc-alpha-2-glycoprotein antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).