



Mouse anti-Human Zn- α 2-glycoprotein monoclonal antibody, clone 46 (CABT-B9362)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Human Zn- α 2-glycoprotein aa. 7-102
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	46
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	250 μ g/ml
Size	50 μ g
Buffer	Aqueous buffered solution containing BSA, glycerol, and $\leq 0.09\%$ sodium azide.
Storage	Store undiluted at -20°C .

BACKGROUND

Introduction Zn- α 2-glycoprotein (ZAG) is a soluble protein that was originally isolated from human plasma.

ZAG is related to class I major histocompatibility complex (MHC) proteins, which are involved in peptide presentation to cytotoxic T-cells during immune surveillance. Besides plasma, ZAG is found in liver, as well as bodily fluids such as sweat, saliva, cerebrospinal fluid, seminal plasma, milk, amniotic fluid, and urine. In addition, ZAG is found in 40% of breast carcinomas, and in various tumor cells. In plasma, ZAG's lipid binding ability may be important for lipid store homeostasis. Additional functions of ZAG may be involved in the regulation of cell proliferation. In vitro, ZAG has ribonuclease activity that is comparable to onconase and less than RNase A. ZAG may also regulate cell adhesion, since Tu-138 oral squamous cells can attach to a ZAG substratum. This attachment inhibits cell proliferation and may involve interaction with integrin $\alpha 5 \beta 1$ receptors. Thus, ZAG may be a multi-functional protein involved in lipid storage, cell adhesion, and cell differentiation.

Keywords	AZGP1; alpha-2-glycoprotein 1, zinc-binding; ZAG; ZA2G; zinc-alpha-2-glycoprotein; zn-alpha-2-GP; Zn-alpha2-glycoprotein; zn-alpha-2-glycoprotein; Alpha-2-glycoprotein, zinc;
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GENE INFORMATION

Entrez Gene ID	563
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UniProt ID	P25311
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