

## PRODUCT DATA SHEET

### Zinc-Alpha-2-Glycoprotein Human, Rabbit Polyclonal Antibody

**Cat. No.:** RD181093100

**Size:** 0.1 mg

**Source of Antigen:** 293 cell line (Human embryonic kidney) **Type:** Polyclonal Antibody

**Host:** Rabbit

**Other Names:**

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

**Preparation:**

The antibody was raised in rabbits by immunization with the recombinant Human ZA2G.

**Amino Acid Sequence of Immunogen:**

The immunization antigen is a protein containing 290 AA of recombinant Human ZA2G. The AA sequence (AA 13–290) is identical to Swiss-Prot-P25311 (AA 18–295, mature Zinc-Alpha-2- Glycoprotein). 12 extra AA were fused with the N-terminus (highlighted).

ASWSHPQFEK GSQENQDGRY SLTYIYTGLS KHVEDVPAFQ ALGSLNDLQF  
FRYNSKDRKS QPMGLWRQVE GMEDWKQDSQ LQKAREDIFM ETLKDIVEYY  
NDSNGSHVLQ GRFGCEIENN RSSGAFWKYY YDGKDYIEFN KEIPAWVPFD  
PAAQITKQKW EAEPVYVQRA KAYLEEECPA TLRKYLKYSK NILDRQDPPS VVVTSHQAPG  
EKKKLKCLAY DFYPGKIDVH WTRAGEVQEP ELRGDVLHNG NGTYQSWVVV  
AVPPQDTAPY SCHVQHSSLA QPLVVPWEAS

Ala 1 to His 5 were confirmed by N-terminal sequencing

**Purification Method:**

Immunoaffinity chromatography on a column with immobilized recombinant Human ZA2G.

**Species Reactivity:**

Human. Not yet tested in other species.

**Antibody Content:**

0.1 mg (determined by BCA method, BSA was used as a standard)

**Formulation:**

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2. **\*\*AZIDE FREE\*\***.

**Reconstitution:**

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

The lyophilized antibody remains stable and fully active until the expiry date when stored at  $-20^{\circ}\text{C}$ . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at  $-80^{\circ}\text{C}$ . Reconstituted antibody can be stored at  $4^{\circ}\text{C}$  for a limited period of time; it does not show decline in activity after one week at  $4^{\circ}\text{C}$ .

**Quality Control:**

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

**Applications:**

ELISA, Immunohistochemistry, Western blotting

**Note:**

This product is for research use only.