



Datasheet for ABIN7148018  
**anti-COPG2 antibody (AA 676-823)**



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3 Images

Overview

Quantity:	100 µg
Target:	COPG2
Binding Specificity:	AA 676-823
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COPG2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Coatomer subunit gamma-2 protein (676-823AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	COPG2
Alternative Name:	COPG2 ( <a href="#">COPG2 Products</a> )
Background:	Background: The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate

## Target Details

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biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network.

Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. In mammals, the coatomer can only be recruited by membranes associated to ADP-ribosylation factors (ARFs), which are small GTP-binding proteins, the complex also influences the Golgi structural integrity, as well as the processing, activity, and endocytic recycling of LDL receptors (By similarity).

Aliases: 2 COP antibody, Coat protein nonclathrin gamma 2 cop antibody, Coatomer protein complex subunit gamma 2 antibody, Coatomer subunit gamma 2 antibody, Coatomer subunit gamma-2 antibody, COPG 2 antibody, Copg2 antibody, COPG2\_HUMAN antibody, DKFZp761N09121 antibody, FLJ11781 antibody, Gamma 2 coat protein antibody, Gamma 2 COP antibody, Gamma-2-coat protein antibody, Gamma-2-COP antibody

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UniProt: [Q9UBF2](#)

## Application Details

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Application Notes: Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

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Format: Liquid

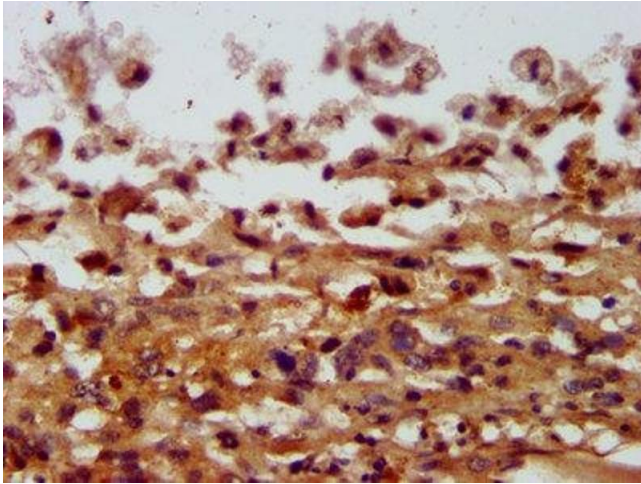
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

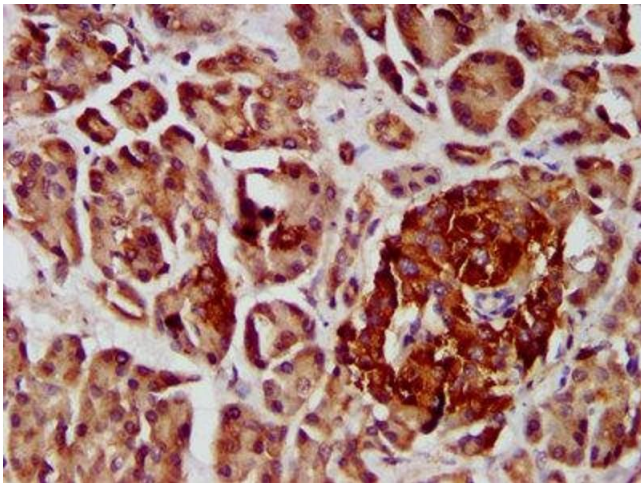
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



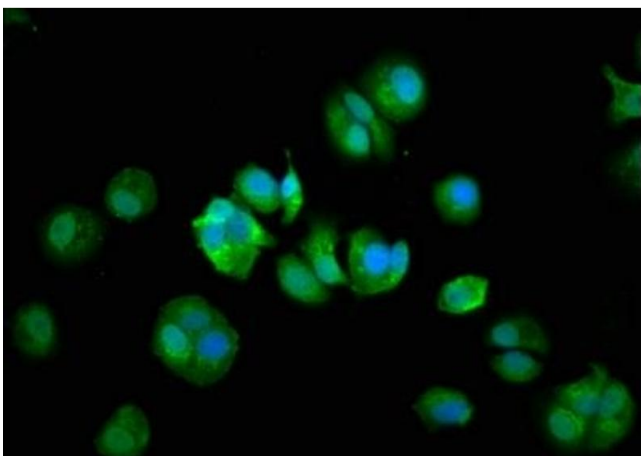
#### Immunohistochemistry

**Image 1.** IHC image of ABIN7148018 diluted at 1:400 and staining in paraffin-embedded human melanoma performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### Immunohistochemistry

**Image 2.** IHC image of ABIN7148018 diluted at 1:400 and staining in paraffin-embedded human pancreatic tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



#### Immunofluorescence

**Image 3.** Immunofluorescence staining of MCF-7 cells with ABIN7148018 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).