



## Rabbit Anti-COPG2 antibody

SL13979R

<b>Product Name:</b>	COPG2
<b>Chinese Name:</b>	外壳蛋白 $\gamma$ 2-COP抗体
<b>Alias:</b>	2 COP; Coat protein nonclathrin gamma 2 cop; Coatomer protein complex subunit gamma 2; Coatomer subunit gamma 2; Coatomer subunit gamma-2; COPG 2; Copg2; COPG2_HUMAN; DKFZp761N09121; FLJ11781; Gamma 2 coat protein; Gamma 2 COP; Gamma-2-coat protein; Gamma-2-COP.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	98kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human COPG2:1-100/871
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate 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 coatamer 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.

**Subcellular Location:**

Cytoplasm. Golgi apparatus membrane. Cytoplasmic vesicle > COPI-coated vesicle membrane. The coatamer is cytoplasmic or polymerized on the cytoplasmic side of the Golgi, as well as on the vesicles/buds originating from it.

**Similarity:**

Belongs to the COPG family.  
Contains 6 HEAT repeats.

**SWISS:**

Q9UBF2

**Gene ID:**

26958

**Database links:**

[Entrez Gene: 26958](#) Human

[Entrez Gene: 54160](#) Mouse

[Entrez Gene: 58847](#) Rat

[Omim: 604355](#) Human

[SwissProt: Q9UBF2](#) Human

[SwissProt: Q9QXK3](#) Mouse

[Unigene: 6421](#) Human

[Unigene: 381860](#) Mouse

[Unigene: 39896](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.