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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP55336_P050-Biotin
Product Page	www.avivasysbio.com/copg-antibody-n-terminal-region-biotin-arp55336-p050-biotin.html
Name	COPG Antibody - N-terminal region : Biotin (ARP55336_P050-Biotin)
Protein Size (# AA)	874 amino acids
Molecular Weight	98kDa
Subunit	gamma
Conjugation	Biotin
NCBI Gene Id	22820
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Coatomer protein complex, subunit gamma 1
Alias Symbols	COPG
Peptide Sequence	Synthetic peptide located within the following region: MLKKFDKKDEESGGGSPNFQHLEKSAVLQEARVFNETPINPRKCAHILTK
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	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 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.
Protein Interactions	HUWE1; UBC; SUMO2; NUDCD1; RNF2; RABGAP1; COPZ1; COPE; TELO2; TTI1; ARHGEF10; COPB2; TLE3; TCP1; RUFY1; DDB2; COPB1; ARCN1; UBD; NPM1; PPBP; FN1; COPG2; COPA; COPZ2; COPG1; SACM1L; TMED10; SIRT7; H2AFX; MYC; ATG101; PMS2; KEAP1; GBF1; TAPBP; PTGES3; RHOQ;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-COPG1 (ARP55336_P050-Biotin) antibody
Blocking Peptide	For anti-COPG1 (ARP55336_P050-Biotin) antibody is Catalog # AAP55336 (Previous Catalog # AAPP33208)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human COPG
Uniprot ID	Q9Y678
Protein Name	Coatomer subunit gamma-1
Protein Accession #	NP_057212
Purification	Affinity Purified
Nucleotide Accession #	NM_016128
Gene Symbol	COPG1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Zebrafish: 93%
Image 1	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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