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COPG Antibody Blocking Peptide

Catalog Number:	bs-13978P
Activity:	Not tested
Purification:	HPLC
Storage:	Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Membrane and vesicular trafficking in the early secretory pathway are mediated by non-
	clathrin COP (coat protein) I-coated vesicles. COPI-coated vesicles mediate retrograde
	transport from the Golgi back to the ER and intra-Golgi transport. The cytosolic precursor of
	the COPI coat, the heptameric coatomer complex, is composed of two subcomplexes. The
	first consists of the COPB, COPG, COPD and COPZ subunits (also known as b-, g-, d- and z-
	COP, respectively), which are distantly homologous to AP Clathrin adaptor subunits. The
	second consists of the COPA, b'-COP and COPE subunits (also known as a-COP, COPP and e-
	COP, r espectively). The COPG (g-COP) subunit of the coatomer is believed to mediate the
	binding to the cytoplasmic dilysine motifs of membrane proteins. COPG has the highest
	level of expression in mouse testis and is expressed in a parent-of-origin-specific manner in
	mammals.