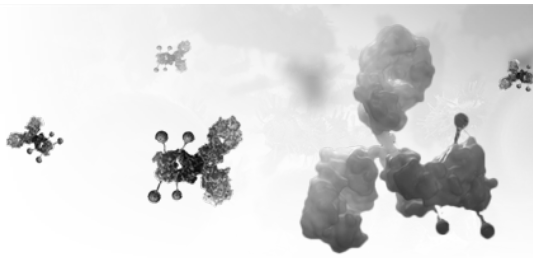

Mouse anti-Human Golgin-84 monoclonal antibody, clone 37/Hpmhjo-95 (CABT-B9213)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Human Golgin-84 aa. 510-713
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Dog
Clone	37/Hpmhjo-95
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF
Format	Liquid
Concentration	250 μg/ml
Size	50 μg, 150 μg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	The Golgi apparatus is a complex and dynamic organelle that functions in protein sorting and

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	modification. Numerous structural and regulatory proteins are involved in the budding, docking, and fusion of Golgi-directed vesicles. Golgin-84 is an integral membrane protein associated with the Golgi. Sequence analysis of the C-terminal region of Golgin-84 demonstrates a 14 residue region extending into the lumen of the Golgi, a membrane insertion sequence, and a Golgi retention signal. The large N-terminal cytoplasmic region contains a coiled-coil domain that is required for dimerization and two leucine zipper domains. Golgin-84 is ubiquitously expressed, but is abundant in testis. Golgin-84 has sequence homology to coiled-coil containing myosin family members and to several other Golgi proteins, including trans-Golgi p230 and gigantin. Trans-Golgi p230 has been implicated in the biogenesis of specific Golgi vesicles, while gigantin is implicated in the tethering of non-clathrin coated vesicles and in the anchoring of adjacent Golgi cisternae. Thus, Golgin-84 may have similar roles in vesicle biogenesis, docking, and fusion at the Golgi interface.
Keywords	GOLGA5; golgin A5; golgi autoantigen, golgin subfamily a, 5; Golgin subfamily A member 5; golgi integral membrane protein 5; golgin 84; GOLIM5; ret II; rfg5; golgin-84; RET-fused gene 5 protein; cell proliferation-inducing gene 31 protein; RFG5; ret-II;

GENE INFORMATION

Entrez Gene ID	9950
UniProt ID	Q8TBA6

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