



Mouse anti-Mouse Adaptein γ monoclonal antibody, clone 99 (CABT-B9174)

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

PRODUCT INFORMATION

Immunogen	Mouse Adaptein γ aa. 642-821
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Rat, Human, Mouse, Dog
Clone	99
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IHC; IF; IP
Format	Liquid
Concentration	250 μ g/ml
Size	50 μ g, 150 μ g
Buffer	Aqueous buffered solution containing BSA, glycerol, and $\leq 0.09\%$ sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	Sorting of integral membrane proteins at various stages of the endocytic and secretory
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pathways is mediated by vesicular trafficking between a variety of organelles. Two sorting signals are tyrosine-based and dileucine-based signals that interact with heterotetrameric adaptor protein complexes (AP-1, AP-2, AP-3, and AP-4), which are associated with the vesicle coats. These coatomers contain two large Adapton proteins (γ , α , δ , or ϵ and $\beta 1$, $\beta 2$, $\beta 3$, or $\beta 4$, respectively) that are noncovalently linked to one medium chain ($\mu 1$, $\mu 2$, $\mu 3$, or $\mu 4$) and one small chain ($\sigma 1$, $\sigma 2$, $\sigma 3$, or $\sigma 4$). The AP-1 and AP-3 complexes are involved in protein sorting from the TGN and endosomes, while AP-2 adaptor complexes are involved in clathrin-mediated endocytosis. Adapton γ shows more homology with Adapton α than with Adapton β . The conserved regions between Adaptins γ and α could be important for binding to other components of the AP-1 and AP-2 complexes, respectively.

Keywords

AP1G1; adaptor-related protein complex 1, gamma 1 subunit; ADTG; CLAPG1; AP-1 complex subunit gamma-1; gamma adaptin; gamma1-adaptin; golgi adaptor HA1/AP1 adaptin gamma subunit; adaptor protein complex AP-1 subunit gamma-1; golgi adaptor HA1/AP1 adaptin subunit gamma-1; adapter-related protein complex 1 subunit gamma-1; adaptor-related protein complex 1 subunit gamma-1; clathrin assembly protein complex 1 gamma large chain; clathrin assembly protein complex 1 gamma-1 large chain; clathrin-associated/assembly/adaptor protein, large, gamma 1;

GENE INFORMATION

Entrez Gene ID

[164](#)

UniProt ID

[O43747](#)
