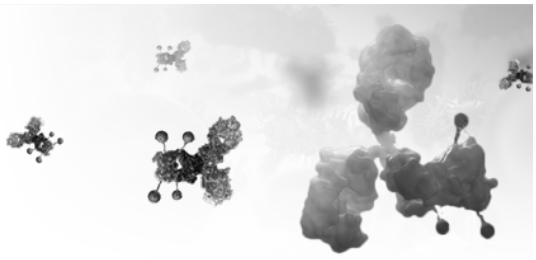

Mouse anti-Human AP3B1 monoclonal antibody, clone 4C5 (CABT-B9767)

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

PRODUCT INFORMATION

Immunogen	AP3B1 (NP_003655, 995 a.a. ~ 1095 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4C5
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	KEQGVLTGMNETSAVIIAAPQNFTPSVIFQKVVNVANVGAVPSGQDNIHRFAAKTVHSGS LMLVTVELKEGSTAQLIINTEKTVIGSVLLRELKPVLSQG*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is part of the

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	heterotetrameric AP-3 protein complex which interacts with the scaffolding protein clathrin. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 2. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2012]
Keywords	AP3B1; adaptor-related protein complex 3, beta 1 subunit; PE; HPS; HPS2; ADTB3; ADTB3A; AP-3 complex subunit beta-1; beta-3A-adaptin; AP-3 complex beta-3A subunit; adaptor protein complex AP-3 subunit beta-1; adaptor-related protein complex 3 subunit beta-1; clathrin assembly protein complex 3 beta-1 large chain;

GENE INFORMATION

Entrez Gene ID	8546
UniProt ID	O00203
Pathway	Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Membrane Trafficking, organism-specific biosystem; trans-Golgi Network Vesicle Budding, organism-specific biosystem
Function	protein binding; protein phosphatase binding; protein transporter activity

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221