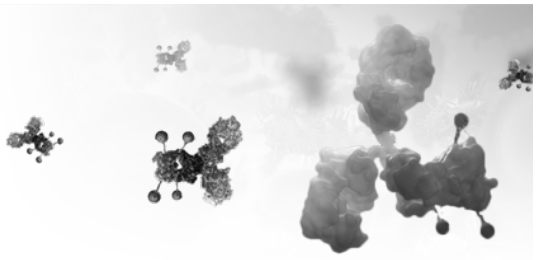

Mouse anti-Human APPL2 monoclonal antibody, clone 2D21 (CABT-B9779)

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

PRODUCT INFORMATION

Immunogen	DIP13B (NP_060641, 174 a.a. ~ 274 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	2D21
Conjugate	Unconjugated
Applications	WB,IF,sELISA,ELISA
Sequence Similarities	QHLSSLQYYCALNALQYRKQMAMMEPMIGFAHGQINFFKKGAEMFSKRMDSFLSSVADMV QSIQVELEAEAEKMRVSQQELLSVDESVYTPDSDVAAPQI*
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	The protein encoded by this gene is one of two effectors of the small GTPase RAB5A/Rab5, which are involved in a signal transduction pathway. Both effectors contain an N-terminal

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	Bin/Amphiphysin/Rvs (BAR) domain, a central pleckstrin homology (PH) domain, and a C-terminal phosphotyrosine binding (PTB) domain, and they bind the Rab5 through the BAR domain. They are associated with endosomal membranes and can be translocated to the nucleus in response to the EGF stimulus. They interact with the NuRD/MeCP1 complex (nucleosome remodeling and deacetylase /methyl-CpG-binding protein 1 complex) and are required for efficient cell proliferation. A chromosomal aberration t(12;22)(q24.1;q13.3) involving this gene and the PSAP2 gene results in 22q13.3 deletion syndrome, also known as Phelan-McDermid syndrome. [provided by RefSeq, Oct 2011]
Keywords	APPL2; adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2; DIP13B; DCC-interacting protein 13-beta; DIP13 beta; adapter protein containing PH domain, PTB domain and leucine zipper motif 2;

GENE INFORMATION

Entrez Gene ID	55198
UniProt ID	Q8NEU8
Pathway	EGFR1 Signaling Pathway, organism-specific biosystem
Function	protein binding

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