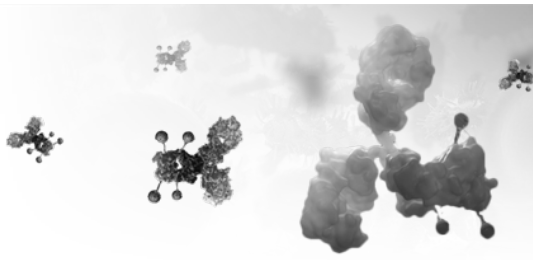

Mouse anti-Human PP2A-B56-alpha monoclonal antibody, clone 34/C67α (CABT-B9178)

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

PRODUCT INFORMATION

Immunogen	Human B56α aa. 1-162
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat, Human, Mouse, Dog, Chicken, Frog
Clone	34/C67α
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF; IHC
Format	Liquid
Concentration	250 μg/ml
Size	50 μg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

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Introduction	Reversible phosphorylation by protein kinases and phosphatases regulates key signaling pathways in eukaryotic cells. Type 2A protein phosphatases (PP2A) are composed of two regulatory and one catalytic subunit. The active PP2A is a heterotrimer, composed of A, B, and C subunits, each encoded by different genes. B56 is a new gene family that encodes α, β, and γ proteins for the B subunit. The three B56 isoforms are approximately 70% homologous to each other and more divergent within the first 251amino acids. While the α subunit is widely expressed, the γ isoform is most abundant in heart and muscle, and the β subunit is found predominantly in brain tissue. Availability of different B subunits appears to be a key determinant in the protein substrate specificity for PP2A and could influence the subcellular distribution of the holoenzyme.
Keywords	PPP2R5A; protein phosphatase 2 regulatory subunit B'alpha; B56A; PR61A; B56alpha; serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform;PP2A B subunit isoform B'-alpha; PP2A B subunit isoform B56-alpha; PP2A B subunit isoform PR61-alpha; PP2A-B56-alpha

GENE INFORMATION

Entrez Gene ID	5525
UniProt ID	Q15172

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