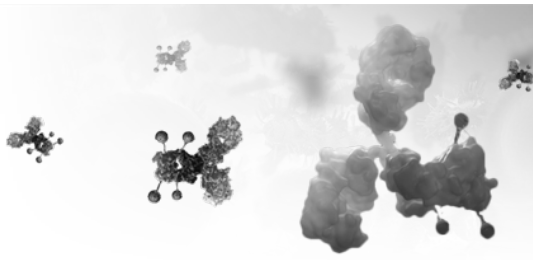

Mouse anti-Human ATF6B monoclonal antibody, clone 5E21 (CABT-B9809)

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

PRODUCT INFORMATION

Immunogen	CREBL1 (NP_004372, 2 a.a. ~ 89 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	5E21
Conjugate	Unconjugated
Applications	WB,IF,sELISA,ELISA
Sequence Similarities	AELMLLSEIADPTRFFTDNLLSPEDWGLQNSTLYSGLDEVAEEQTQLFRCPEQDVPFDGS SLDVGMDVSPSEPPWELLPIFPDLQVK*
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 a transcription factor in the unfolded protein response (UPR) pathway during ER stress. Either as a homodimer or as a heterodimer with ATF6-alpha,

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	the encoded protein binds to the ER stress response element, interacting with nuclear transcription factor Y to activate UPR target genes. The protein is normally found in the membrane of the endoplasmic reticulum; however, under ER stress, the N-terminal cytoplasmic domain is cleaved from the rest of the protein and translocates to the nucleus. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]
Keywords	ATF6B; activating transcription factor 6 beta; G13; CREBL1; CREB-RP; cyclic AMP-dependent transcription factor ATF-6 beta; protein G13; Creb-related protein; cAMP responsive element binding protein-like 1; cAMP-dependent transcription factor ATF-6 beta; cAMP-responsive element-binding protein-like 1; cAMP response element-binding protein-related protein;

GENE INFORMATION

Entrez Gene ID	1388
UniProt ID	Q99941
Pathway	G1 to S cell cycle control, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem
Function	protein dimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity

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