

产品名称: ATF-6 β Rabbit Polyclonal Antibody
产品货号: APRab07280



产品概述 (Summary)

产品名称 (Production Name)	ATF-6 β Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ICC/IF, ELISA
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ATF6B ATF6B; CREBL1; G13; Cyclic AMP-dependent transcription factor ATF-6 beta; cAMP-dependent transcription factor ATF-6 beta; Activating transcription factor 6 beta; ATF6-beta; Protein G13; cAMP response element-binding protein-related protein;
别名 (Alternative Names)	
基因 ID (Gene ID)	1388.0
蛋白 ID (SwissProt ID)	Q99941. The antiserum was produced against synthesized peptide derived from human ATF6B. AA range: 401-450

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000
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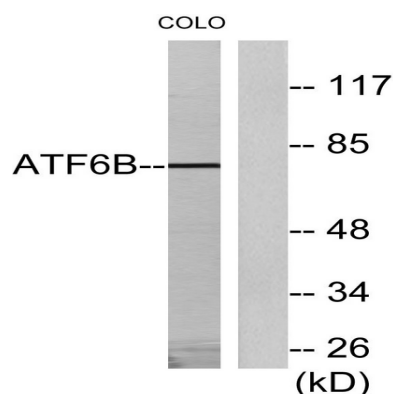
蛋白分子量 (Molecular Weight) 90kDa

研究背景 (Background)

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- α , 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],domain:The basic domain functions as a nuclear localization signal.,domain:The basic leucine-zipper domain is sufficient for association with the NF-Y trimer and binding to ERSE.,function:Transcriptional factor that acts in the unfolded protein response (UPR) pathway by activating UPR target genes induced during ER stress. Binds DNA on the 5'-CCAC[GA]-3' half of the ER stress response element (ERSE) (5'-CCAATN(9)CCAC[GA]-3') when NF-Y is bound to ERSE.,PTM:During unfolded protein response an approximative 60 kDa fragment containing the cytoplasmic transcription factor domain is released by proteolysis. The cleavage is probably performed sequentially by site-1 and site-2 proteases.,PTM:N-glycosylated.,similarity:Belongs to the bZIP family.,similarity:Belongs to the bZIP family. ATF subfamily.,similarity:Contains 1 bZIP domain.,subcellular location:Under ER stress the cleaved N-terminal cytoplasmic domain translocates into the nucleus.,subunit:Homodimer and heterodimer with ATF6- α . The dimer interacts with the nuclear transcription factor Y (NF-Y) trimer through direct binding to NF-Y subunit C (NF-YC).,tissue specificity:Ubiquitous.,

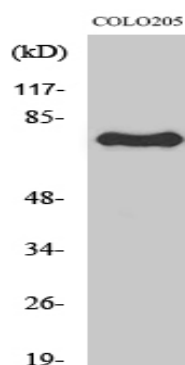
研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of lysates from COLO205 cells, using ATF6B Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using ATF-6 β Polyclonal Antibody

注意事项 (Note)

For research use only .