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anti-ATF6B antibody (C-Term)





Publication



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Overview	
Quantity:	400 μL
Target:	ATF6B
Binding Specificity:	AA 560-589, C-Term
Reactivity:	Human, Mouse, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATF6B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This CREBL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 560-589 amino acids from the C-terminal region of human CREBL1.
Clone:	RB25603
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	ATF6B
Alternative Name:	CREBL1 (ATF6B Products)
Background:	CREBL1 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, 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.

	rest of the protein and translocates to the nucleus.
Molecular Weight:	76709
Gene ID:	1388
NCBI Accession:	NP_001129625, NP_004372
UniProt:	Q99941

Pathways: Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:25. IHC-P: 1:25
Restrictions:	For Research Use only

Handling

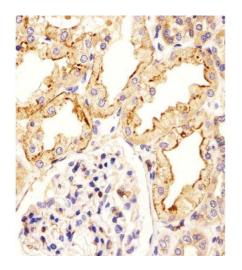
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:

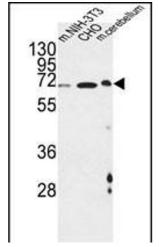
Wu, Xiong, Wang, Miao, Liu, Li, Zou, Liu, Zhao, Yang: "Comparative study of ROR2 and WNT5a expression in squamous/adenosquamous carcinoma and adenocarcinoma of the gallbladder." in: **World journal of gastroenterology**, Vol. 23, Issue 14, pp. 2601-2612, (2018) (PubMed).

Images



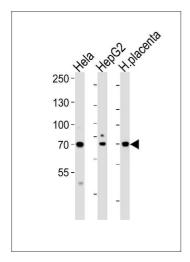
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffinembedded H. kidney section using CREBL1 Antibody (Cterm) (ABIN651294 and ABIN2840174). (ABIN651294 and ABIN2840174) was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Western Blotting

Image 2. CREBL1 Antibody (C-term) (ABIN651294 and ABIN2840174) western blot analysis in mouse NIH-3T3,CHO cell line and mouse cerebellum tissue lysates (35 μg/lane).This demonstrates the CREBL1 antibody detected the CREBL1 protein (arrow).



Western Blotting

Image 3. Western blot analysis of lysates from Hela, HepG2 cell line and human placenta tissue lysate (from left to right), using CREBL1Antibody (C-term) (ABIN651294 and ABIN2840174). (ABIN651294 and ABIN2840174) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

Please check the product details page for more images. Overall 4 images are available for ABIN651294.