



Anti-ATF6B monoclonal antibody (DCABH-10653)

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

PRODUCT INFORMATION

Antigen Description	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, 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.
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Immunogen	A synthetic peptide of human ATF6B is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ATF6B activating transcription factor 6 beta [Homo sapiens]
Official Symbol	ATF6B
Synonyms	ATF6B; activating transcription factor 6 beta; cAMP responsive element binding protein like 1 , CREBL1; cyclic AMP-dependent transcription factor ATF-6 beta; G13; ATF6-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; CREBL1; CREB-RP; FLJ10066;
Entrez Gene ID	1388
Protein Refseq	NP_001129625
UniProt ID	Q99941
Chromosome Location	6p21.3
Pathway	Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem; G1 to S cell cycle control, organism-specific biosystem;
Function	protein dimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;