

Datasheet for ABIN2777358
anti-ATF6B antibody (Middle Region)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	ATF6B
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Cow, Horse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATF6B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CREBL1
Sequence:	FNRTESLRLA DELSGWVQRH QRGRRKIPQR AQERQKSQPR KKSPPVKAVP
Predicted Reactivity:	Cow: 86%, Dog: 93%, Horse: 93%, Human: 100%, Mouse: 86%, Pig: 85%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against CREBL1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ATF6B
Alternative Name:	CREBL1 (ATF6B Products)

Target Details

Background:	ATF6B(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 protein binds to the ER stress response element, interacting with nuclear transcription factor Y to activate UPR target genes. ATF6B 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. The protein encoded by this gene bears sequence similarity with the Creb/ATF subfamily of the bZip superfamily of transcription factors. It localizes to both the cytoplasm and the nucleus. The gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: CREB-RP, FLJ10066, G13, CREBL1 Protein Interaction Partner: CREBZF, XBP1, ATF6B, CDK6, UBC, SUMO2, ATF6, NFYC, MBTPS1, PHOX2A, MBTPS2, NFYA, HCVgp1, Protein Size: 703
-------------	--

Molecular Weight:	77 kDa
-------------------	--------

Gene ID:	1388
----------	------

NCBI Accession:	NM_004381 , NP_004372
-----------------	---

UniProt:	Q99941
----------	------------------------

Pathways:	Thyroid Hormone Synthesis , Myometrial Relaxation and Contraction
-----------	---

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
--------------------	--

Comment:	Antigen size: 703 AA
----------	----------------------

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
---------	--------

Concentration:	Lot specific
----------------	--------------

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
---------	---

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CREBL1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Human Muscle