

## Anti-ATF6B antibody

<b>Cat. No.</b>	ml223623
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-ATF6B rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human ATF6B
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.5 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	ATF6B
<b>Full name</b>	activating transcription factor 6 beta

**Synonyms** G13; CREBL1; CREB-RP

**Swissprot** Q99941

#### **Target 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-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.

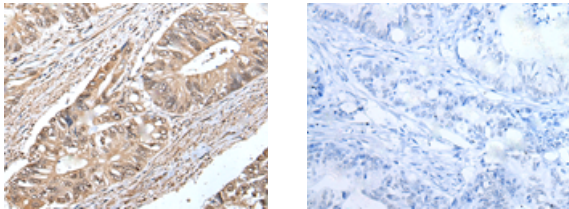
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm and Nucleus

Positive control: Human colorectal cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using ml223623(ATF6B Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: ×200)

### Western blotting

Predicted band size: 77 kDa

Positive control: Mouse liver tissue, Hela cell, Human testis tissue, Jurkat and HEPG2 cell lysates

Recommended dilution: 500-2000

Gel: 6%SDS-PAGE

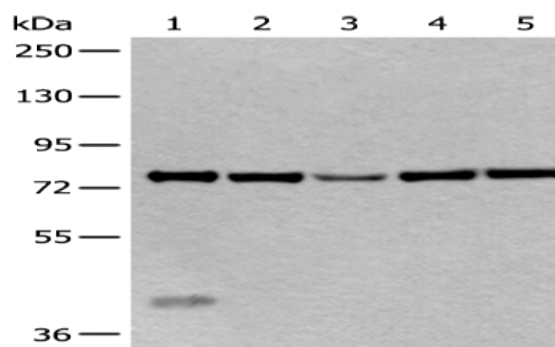
Lysate: 40 µg

Lane 1-5: Mouse liver tissue, Hela cell, Human testis tissue, Jurkat and  
HEPG2 cell lysates

Primary antibody: ml223623(ATF6B Antibody) at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 seconds



## ELISA

Recommended dilution: 5000-10000

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