

## ATF6B Polyclonal Antibody

catalog number: **E-AB-18330**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

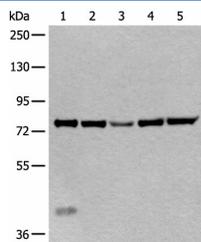
<b>Reactivity</b>	Human;Mouse
<b>Immunogen</b>	Fusion protein of human ATF6B
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen affinity purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

### Applications

### Recommended Dilution

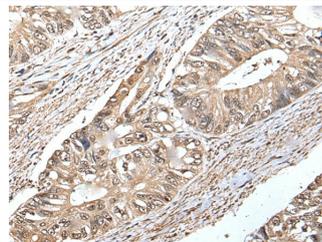
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:25-1:100

### Data



Western blot analysis of Mouse liver tissue, HeLa cell, Human testis tissue, Jurkat and HEPG2 cell lysates using ATF6B Polyclonal Antibody at dilution of 1:300.

**Observed-MW: Refer to figures**  
**Calculated-MW: 77 kDa**



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using ATF6B Polyclonal Antibody at dilution of 1:30 (×200).

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### 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.

### For Research Use Only