

## ATF6B RABBIT PAB

**Cat.#:** S218054

**Product Name:** Anti-ATF6B Rabbit Polyclonal Antibody

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

**UNIPROT ID:** Q99941 (Gene Accession - BC008394 )

**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.

**Immunogen:** Fusion protein of human ATF6B

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 25-100;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

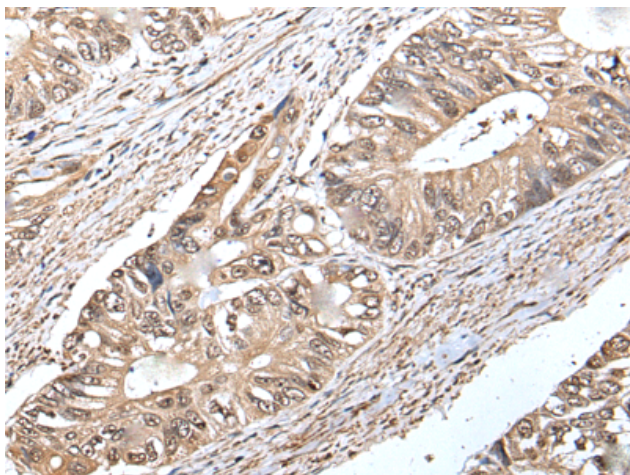
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

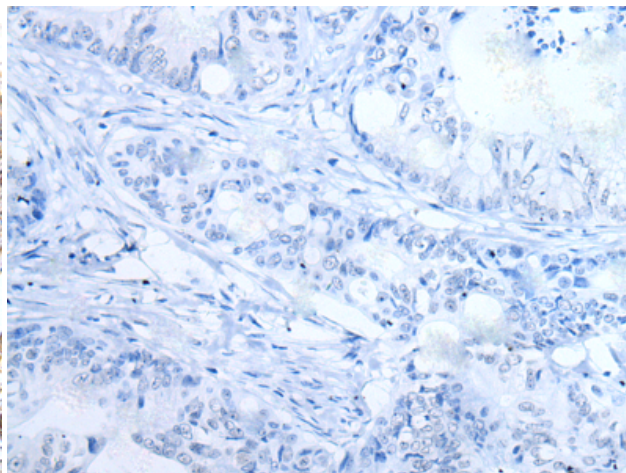
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling

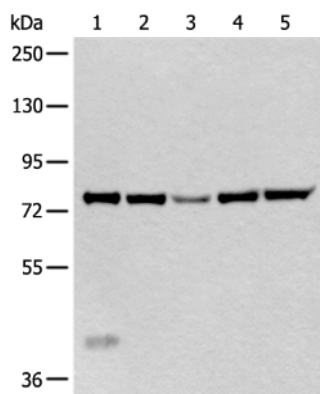
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human colorectal cancer tissue using 218054(ATF6B Antibody) at a dilution of 1/30(Cytoplasm and Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with the fusion protein and then with 218054(Anti-ATF6B Antibody) at dilution 1/30.



Gel: 6%SDS-PAGE, Lysate: 40  $\mu$ g;  
 Lane 1-5: Mouse liver tissue, Hela cell, Human testis tissue, Jurkat and HEPG2 cell lysates;  
 Primary antibody: 218054(ATF6B Antibody) at dilution 1/300;  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
 Exposure time: 10 seconds