

## ATF4 RABBIT PAB

**Cat.#:** S216366

**Product Name:** Anti-ATF4 Rabbit Polyclonal Antibody

**Synonyms:** CREB2; TXREB; CREB-2; TAXREB67

**UNIPROT ID:** P18848 (Gene Accession - BC008090 )

**Background:** This gene encodes a transcription factor that was originally identified as a widely expressed mammalian DNA binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB-2). The protein encoded by this gene belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions, located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain.

**Immunogen:** Fusion protein of human ATF4

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 50-200; ELISA: 1000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

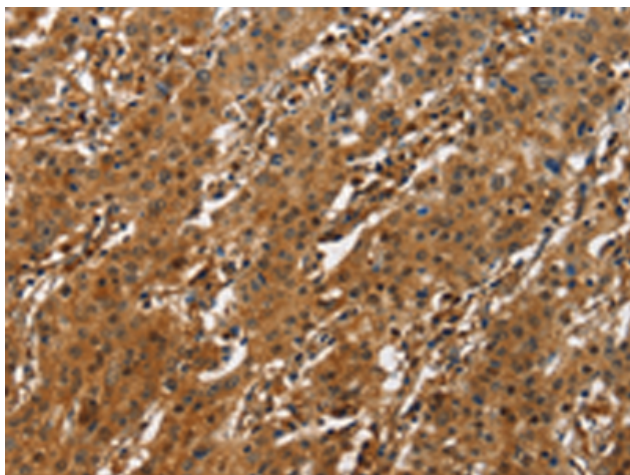
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

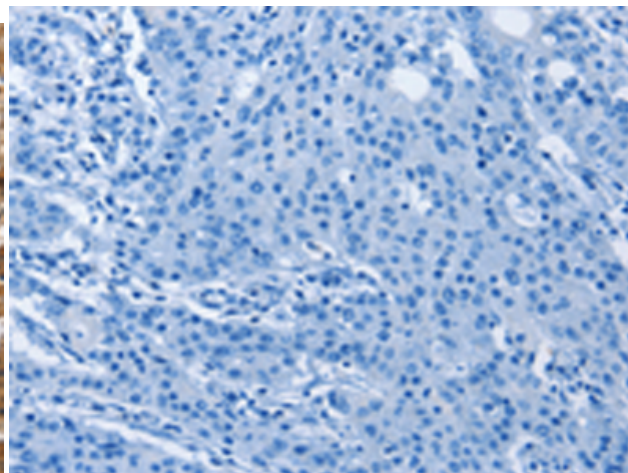
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling

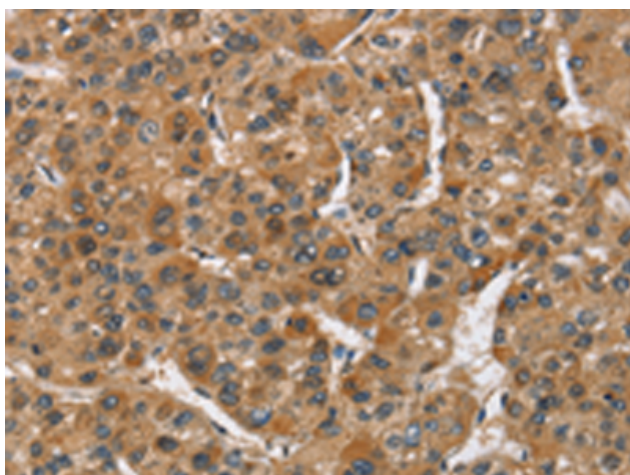
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



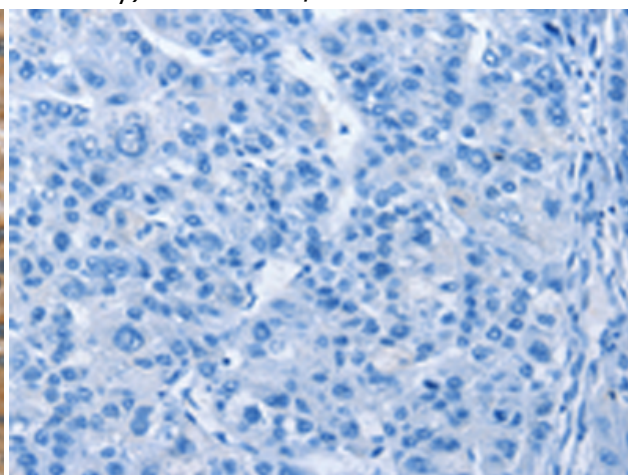
Immunohistochemistry analysis of paraffin embedded Human gastric cancer tissue using 216366(ATF4 Antibody) at a dilution of 1/50(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with the fusion protein and then with 216366(Anti-ATF4 Antibody) at dilution 1/50.



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 216366(Anti-ATF4 Antibody) at a dilution of 1/50.



In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with fusion protein and then with D220294(Anti-ATF4 Antibody) at dilution 1/50.