

Product datasheet for **TA369501**

ATF6 beta (ATF6B) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse liver tissue, Hela cell, Human testis tissue, Jurkat and HEPG2 cell lysates IHC: 25-100 Positive control: Human colorectal cancer Predicted cell location: Cytoplasm and Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human ATF6B
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	77 kDa
Gene Name:	activating transcription factor 6 beta
Database Link:	Entrez Gene 1388 Human Q99941



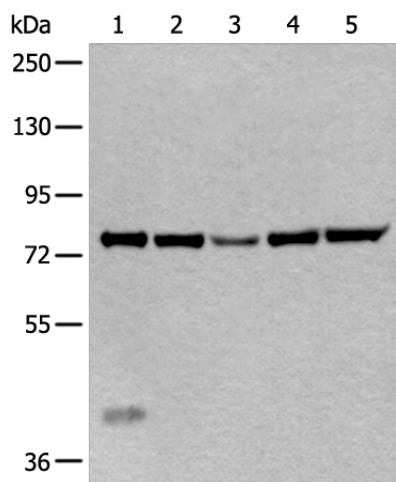
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Background:

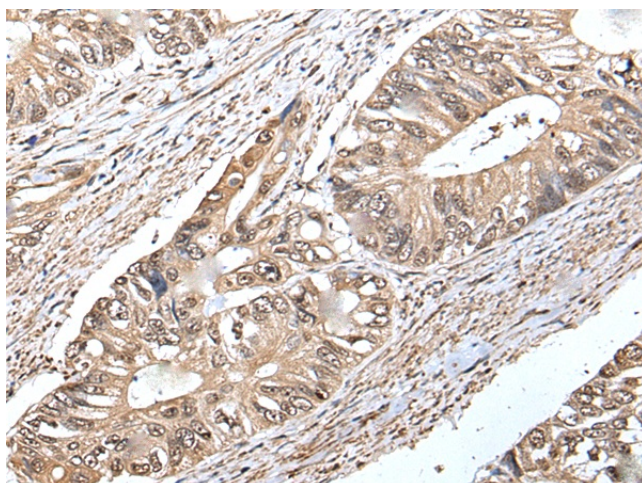
The protein encoded by this gene is a transcription factor in the unfolded protein response (UPR) pathway during ER stress. Either as a homodimer or as a heterodimer with ATF6-alpha, the encoded protein binds to the ER stress response element, interacting with nuclear transcription factor Y to activate 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.

Synonyms:

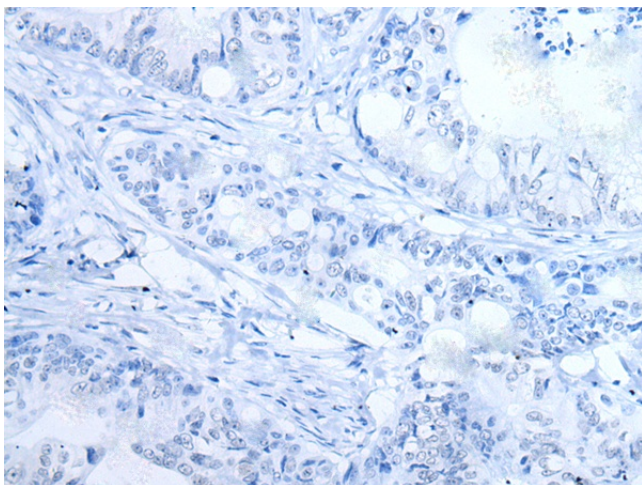
ATF6-beta; CREB-RP; CREBL1; FLJ10066; G13

Product images:


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: TA369501 (ATF6B Antibody) at dilution 1/300
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
 Exposure time: 10 seconds



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA369501 (ATF6B Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA369501 (ATF6B Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)