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Anti-AIBZIP / CREB3L4 Antibody (C-term), Biotinylated

Catalog # AF4274a

Product Information

Application	WB, IHC, E
Primary Accession	Q8TEY5
Other Accession	148327, NP_570968.1, NP_001242909.1
Reactivity	Human
Predicted	Human
Calculated MW	43432

Additional Information

Gene ID	148327
Other Names	transcriptional regulator; CREB; glycoprotein
Target/Specificity	This antibody is expected to recognize both reported isoforms (NP_570968.1; NP_001242909.1). Reported variants represent identical protein: NP_001242908.1, NP_570968.1, NP_001242907.1 Reported variants represent identical protein: NP_001242909.1, NP_00124
Dilution	WB~~1:1000 IHC~~1:100~500 E~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-AIBZIP / CREB3L4 Antibody (C-term), Biotinylated is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CREB3L4
Synonyms	AIBZIP, CREB4, JAL
Function	Transcriptional activator that may play a role in the unfolded protein response. Binds to the UPR element (UPRE) but not to CRE element. Preferentially binds DNA with to the consensus sequence 5'-T[GT]ACGT[GA][GT]-3' and has transcriptional activation activity from UPRE. Binds to NF-kappa-B site and has transcriptional activation activity from NF-kappa-B-containing regulatory elements (By similarity).
Cellular Location	Endoplasmic reticulum membrane; Single-pass type II membrane protein. Golgi apparatus membrane; Single- pass type II membrane protein. Note=May also be located in Golgi apparatus

Tissue Location	According to PubMed:11830526, exclusively expressed in the prostate. Expressed in breast and prostate cancer cell lines Expressed in prostatic luminal epithelial cells (at protein level) Expression is significantly more abundant in prostate cancer than in benign prostatic tissue (prostatic hyperplasia). According to PubMed:12111373, also expressed in brain, pancreas and skeletal muscle, and at lower levels in small intestine, testis, leukocyte and thymus

Images

Biotinylated Antibody (1 µg/ml) staining of Human Placenta lysate (35 µg protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.