

**Anti-AIBZIP / CREB3L4 Antibody (C-term), Biotinylated**  
Catalog # AF4274a**Specification****Anti-AIBZIP / CREB3L4 Antibody (C-term), Biotinylated - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB  |
| Primary Accession | <a href="#">Q8TEY5</a>  |
| Other Accession   | <a href="#">148327</a> , <a href="#">NP_570968.1</a> , <a href="#">NP_001242909.1</a> |
| Reactivity        | Human   |
| Predicted         | Human   |
| Calculated MW     | 43432   |

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

**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.

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

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

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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



Biotinylated Antibody (1  $\mu\text{g/ml}$ ) staining of Human Placenta lysate (35  $\mu\text{g}$  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.