

**CREB3L4 Antibody (M01)**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AW5064**

**Specification**

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**CREB3L4 Antibody (M01) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8TEY5</a>
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	H=43 KDa
Isotype	IgG1
Antigen Source	HUMAN

**CREB3L4 Antibody (M01) - Additional Information**

**Gene ID** 148327

**Antigen Region**  
1-310

**Other Names**

Cyclic AMP-responsive element-binding protein 3-like protein 4, cAMP-responsive element-binding protein 3-like protein 4, Androgen-induced basic leucine zipper protein, AlbZIP, Attaching to CRE-like 1, ATCE1, Cyclic AMP-responsive element-binding protein 4, CREB-4, cAMP-responsive element-binding protein 4.

**Dilution**

WB~~1:1000

**Target/Specificity**

This CREB3L4 antibody is generated from mice immunized with a recombinant between 1-300 amino acids from the region of human CREB3L4.

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CREB3L4 Antibody (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

**CREB3L4 Antibody (M01) - 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**

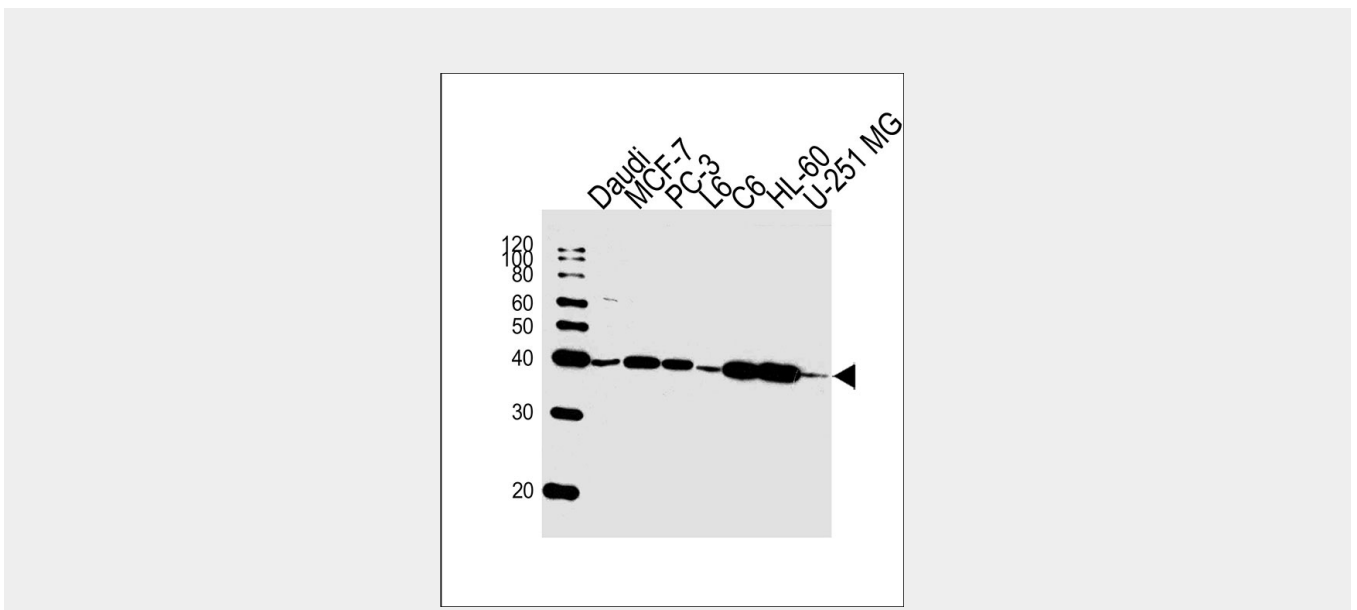
According to PubMed:11830526, exclusively expressed in the prostate. Expressed in breast and prostate cancer cell lines Expressed in prostatic luminal epithelial cells (at protein level) Expression is significantly more abundant in prostate cancer than in benign prostatic tissue (prostatic hyperplasia).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

**CREB3L4 Antibody (M01) - 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](#)

**CREB3L4 Antibody (M01) - Images**



Western blot analysis of lysates from Daudi, MCF-7, PC-3, rat L6, rat C6, HL-60, U-251 MG cell line (from left to right), using CREB3L4 Antibody (monoclonal) (M01) (Cat. #AW5064). AW5064 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

#### **CREB3L4 Antibody (M01) - Background**

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).

#### **CREB3L4 Antibody (M01) - References**

Qi H., et al. *Cancer Res.* 62:721-733(2002). Cao G., et al. *J. Hum. Genet.* 47:373-376(2002). Fujita K., et al. Submitted (DEC-2000) to the EMBL/GenBank/DDBJ databases. Guo J.H., et al. Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases. Ota T., et al. *Nat. Genet.* 36:40-45(2004).