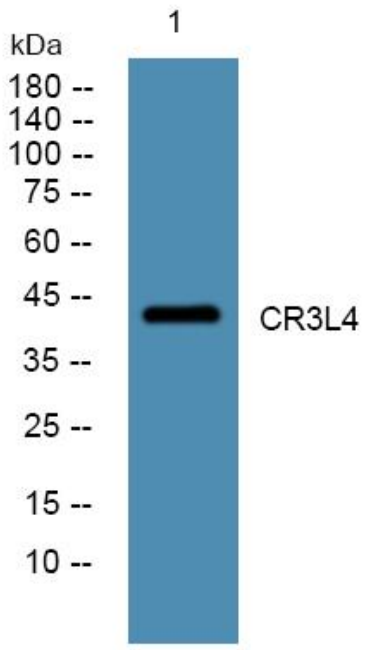
CR3L4 Polyclonal Antibody

Catalog No	YP-Ab-05193
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	CREB3L4 AIBZIP CREB4 JAL
Protein Name	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) (AIbZIP) (Attaching to CRE-lik
Immunogen	Synthesized peptide derived from human protein . at AA range: 200-280
Specificity	CR3L4 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	43kD
Cell Pathway	Endoplasmic reticulum membrane; Single-pass type II membrane protein. Golgi apparatus membrane ; Single-pass type II membrane protein . May also be located in Golgi apparatus.; [Processed cyclic AMP-responsive element-binding protein 3-like protein 4]: Nucleus. Under ER stress the cleaved N-terminal cytoplasmic domain translocates into the nucleus. .
Tissue Specificity	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.
Function	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.,induction:By androgens.,PTM:Controlled by regulated intramembrane proteolysis (RIP).

	Following ER stress a fragment containing the cytoplasmic transcription factor domain is released by proteolysis. The cleavage seems to be performed sequentially by site-1 and site-2 proteases (PS1 and PS2). PS1 cleavage may be suppressed by a determinant in the C-terminal region.,PTM:N-glycosylated in the C-terminal region.,similarity:Belongs to the bZIP family. ATF subfamily.,similarity:Contains 1 bZIP domain.,s
Background	This gene encodes a CREB (cAMP responsive element binding) protein with a transmembrane domain which localizes it to the ER membrane. The encoded protein is a transcriptional activator which contains a dimerization domain, and this protein may function in a number of processing pathways including protein processing. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4°over night