

CREB3 / LZIP Antibody (aa76-87)
Goat Polyclonal Antibody
Catalog # ALS16145**Specification**

CREB3 / LZIP Antibody (aa76-87) - Product Information

Application	WB, IHC-P, E
Primary Accession	O43889
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	44kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

CREB3 / LZIP Antibody (aa76-87) - Additional Information**Gene ID** 10488**Other Names**

Cyclic AMP-responsive element-binding protein 3, CREB-3, cAMP-responsive element-binding protein 3, Leucine zipper protein, Luman, Transcription factor LZIP-alpha, Processed cyclic AMP-responsive element-binding protein 3, N-terminal Luman, Transcriptionally active form, CREB3, LZIP

Target/Specificity

Human CREB3 / LZIP

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

CREB3 / LZIP Antibody (aa76-87) is for research use only and not for use in diagnostic or therapeutic procedures.

CREB3 / LZIP Antibody (aa76-87) - Protein Information**Name** CREB3**Synonyms** LZIP**Function**

Endoplasmic reticulum (ER)-bound sequence-specific transcription factor that directly binds DNA and activates transcription (PubMed: [10984507](http://www.uniprot.org/citations/10984507) target="_blank">10984507, PubMed: [15845366](http://www.uniprot.org/citations/15845366) target="_blank">15845366, PubMed: [16940180](http://www.uniprot.org/citations/16940180) target="_blank">16940180, PubMed: [19779205](http://www.uniprot.org/citations/19779205) target="_blank">19779205)

target="_blank">19779205, PubMed:9271389). Plays a role in the unfolded protein response (UPR), promoting cell survival versus ER stress-induced apoptotic cell death (PubMed:15845366, PubMed:16940180). Also involved in cell proliferation, migration and differentiation, tumor suppression and inflammatory gene expression. Acts as a positive regulator of LKN- 1/CCL15-induced chemotaxis signaling of leukocyte cell migration (PubMed:15001559, PubMed:17296613, PubMed:19779205). Associates with chromatin to the HERPUD1 promoter (PubMed:16940180). Also induces transcriptional activation of chemokine receptors (PubMed:17296613, PubMed:18587271).

Cellular Location

[Isoform 1]: Endoplasmic reticulum membrane; Single-pass type II membrane protein {ECO:0000255, ECO:0000269|PubMed:12138176}. Golgi apparatus. Note=Colocalizes with HCFC1 in neuronal cell bodies of the trigeminal ganglia (PubMed:10623756). Colocalizes with DCSTAMP in the ER membrane of immature dendritic cell (DC) (PubMed:20546900). Colocalizes with CANX, CCR1, HCFC1 in the ER membrane (PubMed:10623756). [Isoform 2]: Nucleus. Cytoplasm Note=Predominantly in the nucleus (PubMed:19779205). Not associated with membranes (PubMed:19779205).

Tissue Location

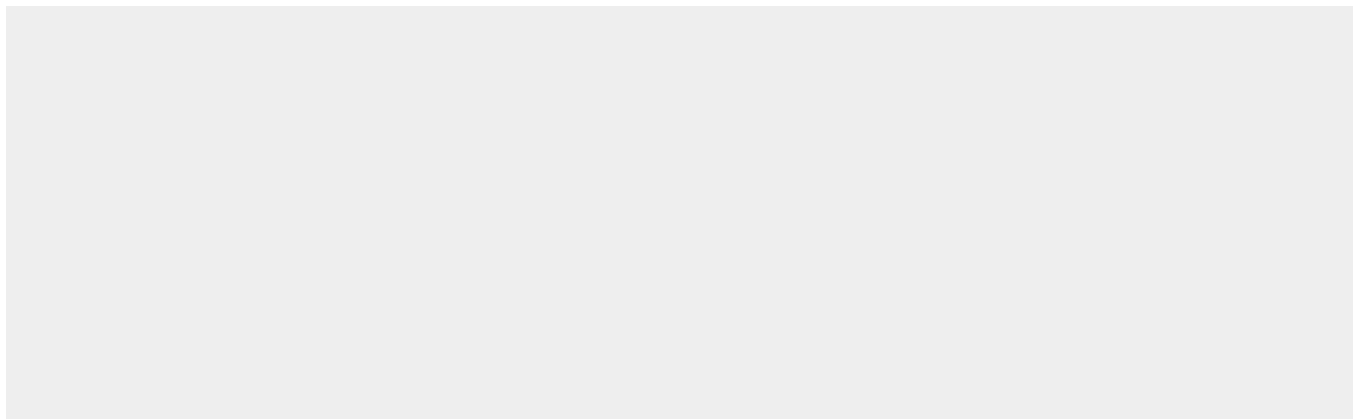
Ubiquitously expressed (PubMed:19779205, PubMed:9271389). Expressed in dendritic cells (DC). Weakly expressed in monocytes (at protein level) (PubMed:20546900)

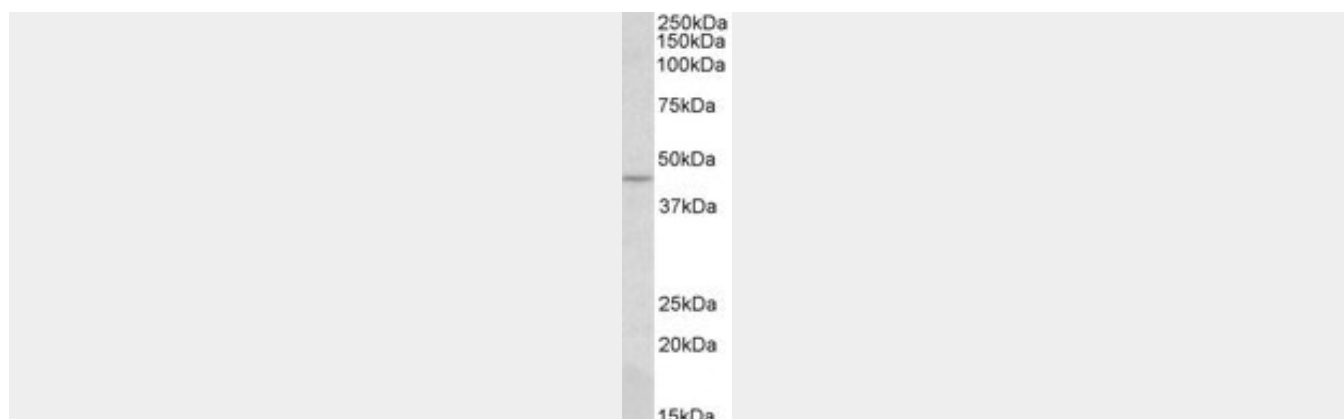
CREB3 / LZIP Antibody (aa76-87) - Protocols

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](#)

CREB3 / LZIP Antibody (aa76-87) - Images





CREB3 antibody (0.3 ug/ml) staining of HepG2 lysate (35 ug protein in RIPA buffer).

CREB3 / LZIP Antibody (aa76-87) - Background

Endoplasmic reticulum (ER)-bound transcription factor that plays a role in the unfolded protein response (UPR). Involved in cell proliferation and migration, tumor suppression and inflammatory gene expression. Plays also a role in the human immunodeficiency virus type 1 (HIV-1) virus protein expression and in the herpes simplex virus-1 (HSV-1) latent infection and reactivation from latency. Isoform 2 plays a role in the unfolded protein response (UPR). Isoform 2 acts as a positive regulator of LKN-1/CCL15-induced chemotaxis signaling of leukocyte cell migration. Isoform 2 may play a role as a cellular tumor suppressor that is targeted by the hepatitis C virus (HSV) core protein. Isoform 2 represses the VP16-mediated transactivation of immediate early genes of the HSV-1 virus by sequestering host cell factor-1 HCFC1 in the ER membrane of sensory neurons, thereby preventing the initiation of the replicative cascade leading to latent infection. Isoform 3 functions as a negative transcriptional regulator in ligand-induced transcriptional activation of the glucocorticoid receptor NR3C1 by recruiting and activating histone deacetylases (HDAC1, HDAC2 and HDAC6). Isoform 3 decreases the acetylation level of histone H4. Isoform 3 does not promote the chemotactic activity of leukocyte cells.

CREB3 / LZIP Antibody (aa76-87) - References

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Kang H.,et al.Mol. Endocrinol. 23:1746-1757(2009).
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