

CREB3L2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9654b**Specification**

CREB3L2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q70SY1](#)**CREB3L2 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 64764

Other Names

Cyclic AMP-responsive element-binding protein 3-like protein 2, cAMP-responsive element-binding protein 3-like protein 2, BBF2 human homolog on chromosome 7, Processed cyclic AMP-responsive element-binding protein 3-like protein 2, CREB3L2, BBF2H7

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CREB3L2 Antibody (C-term) Blocking Peptide - Protein Information

Name CREB3L2

Synonyms BBF2H7

Function

Transcription factor involved in unfolded protein response (UPR). In the absence of endoplasmic reticulum (ER) stress, inserted into ER membranes, with N-terminal DNA-binding and transcription activation domains oriented toward the cytosolic face of the membrane. In response to ER stress, transported to the Golgi, where it is cleaved in a site-specific manner by resident proteases S1P/MBTPS1 and S2P/MBTPS2. The released N-terminal cytosolic domain is translocated to the nucleus to effect transcription of specific target genes. Plays a critical role in chondrogenesis by activating the transcription of SEC23A, which promotes the transport and secretion of cartilage matrix proteins, and possibly that of ER biogenesis-related genes (By similarity). In a neuroblastoma cell line, protects cells from ER stress-induced death (PubMed:17178827). In vitro activates transcription of target genes via direct binding to the CRE site (PubMed:17178827).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8BH52}; Single-pass type II membrane protein Note=ER membrane resident protein. Upon ER stress, translocated to the Golgi apparatus where it is cleaved. The cytosolic N-terminal fragment (processed cyclic AMP-responsive element-binding protein 3-like protein 1) is transported into the nucleus. {ECO:0000250|UniProtKB:Q8BH52}

Tissue Location

Widely expressed with highest levels in placenta, lung, spleen and intestine, and lowest levels in heart, brain, skeletal muscle, thymus, colon and leukocytes. In fetal tissues, the weakest expression is detected in brain and heart

CREB3L2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CREB3L2 Antibody (C-term) Blocking Peptide - Images

CREB3L2 Antibody (C-term) Blocking Peptide - Background

CREB3L2 is a member of the old astrocyte specifically induced substance (OASIS) DNA binding and basic leucine zipper dimerization (bZIP) family of transcription factors, which includes CREB3 (MIM 606443) and CREB4 (MIM 607138).

CREB3L2 Antibody (C-term) Blocking Peptide - References

Panagopoulos, I., et al. Oncol. Rep. 21(3):615-624(2009)Lui, W.O., et al. Cancer Res. 68(17):7156-7164(2008)