abcam

Product datasheet

Human c-Myc peptide ab166837

3 References 1 图像

描述

产品名称 人c-Myc多肽

Accession <u>P01106</u>

无动物成分 No

性质 Synthetic

种属 Human

技术指标

应用

Our Abpromise guarantee covers the use of ab166837 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

形式 Lyophilized

补充说明 - First try to dissolve a small amount of peptide in either water or buffer. The more charged

residues on a peptide, the more soluble it is in aqueous solutions.

- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or

buffer.

- Consider that any solvent used must be compatible with your assay. If a peptide does not

dissolve and you need to recover it, lyophilise to remove the solvent.

- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is

cloudy or has gelled the peptide may be in suspension rather than solubilised.

Blocking - Blocking peptide for Anti-c-Myc antibody [Y69] - ChIP Grade (ab32072)

- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior

to use.

制备和贮存

稳定性和存储 Shipped at 4°C. Store at -20°C.

Information available upon request.

常规信息

功能

Participates in the regulation of gene transcription. Binds DNA in a non-specific manner, yet also

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specifically recognizes the core sequence 5'-CAC[GA]TG-3'. Seems to activate the transcription of growth-related genes.

疾病相关

Note=Overexpression of MYC is implicated in the etiology of a variety of hematopoietic tumors. Note=A chromosomal aberration involving MYC may be a cause of a form of B-cell chronic lymphocytic leukemia. Translocation t(8;12)(q24;q22) with BTG1.

Defects in MYC are a cause of Burkitt lymphoma (BL) [MIM:113970]. A form of undifferentiated malignant lymphoma commonly manifested as a large osteolytic lesion in the jaw or as an abdominal mass. Note=Chromosomal aberrations involving MYC are usually found in Burkitt lymphoma. Translocations t(8;14), t(8;22) or t(2;8) which juxtapose MYC to one of the heavy or light chain immunoglobulin gene loci.

序列相似性

Contains 1 basic helix-loop-helix (bHLH) domain.

翻译后修饰

Phosphorylated by PRKDC. Phosphorylation at Thr-58 and Ser-62 by GSK3 is required for ubiquitination and degradation by the proteasome.

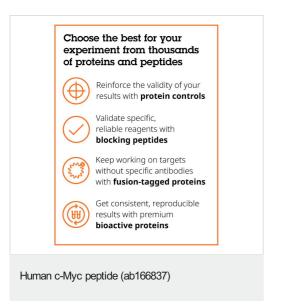
Ubiquitinated by the SCF(FBXW7) complex when phosphorylated at Thr-58 and Ser-62, leading to its degradation by the proteasome. In the nucleoplasm, ubiquitination is counteracted by USP28, which interacts with isoform 1 of FBXW7 (FBW7alpha), leading to its deubiquitination and preventing degradation. In the nucleolus, however, ubiquitination is not counteracted by USP28, due to the lack of interaction between isoform 4 of FBXW7 (FBW7gamma) and USP28, explaining the selective MYC degradation in the nucleolus. Also polyubiquitinated by the

DCX(TRUSS) complex.

细胞定位

Nucleus > nucleoplasm. Nucleus > nucleolus.

图片



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