

Human c-Myc peptide ab166837

3 References [1 图像](#)

描述

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|-----------|----------------------|
| 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

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.

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| 应用 | Blocking - Blocking peptide for Anti-c-Myc antibody [Y69] - ChIP Grade (<u>ab32072</u>) |
| 形式 | Lyophilized |
| 补充说明 | <ul style="list-style-type: none"> - 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. - Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use. |

制备和贮存

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| 稳定性和存储 | Shipped at 4°C. Store at -20°C. Information available upon request. |
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常规信息

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

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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Human c-Myc peptide (ab166837)

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