

Polyclonal Antibody to c-Myc pThr58 - Aff - Purified

Alternate names:	BHLHE39, Class E basic helix-loop-helix protein 39, Myc proto-oncogene protein, Transcription factor p64
Catalog No.:	AP01640PU-N
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	The c-Myc protein is a transcription factor, which is encoded by the c-Myc gene on human chromosome 8q24. c-Myc is commonly activated in a variety of tumor cells and plays an important role in cellular proliferation, differentiation, apoptosis and cell cycle progression. The phosphorylation of c-Myc has been investigated and previous studies have suggested a functional association between phosphorylation at Thr58/Ser62 by glycogen synthase kinase 3, cyclin dependent kinase, ERK2 and C-Jun N terminal Kinase (JNK) in cell proliferation and cell cycle regulation. Studies also have shown that c-Myc is essential for tumor cell development in vasculogenesis and angiogenesis that distribute blood throughout the cells, and which brought extensive attention in the development of new therapeutic approach for cancer treatment.
Uniprot ID:	P01106
NCBI:	NP_002458.2
GeneID:	4609
Host:	Rabbit
Format:	State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Purification: Affinity Chromatography using epitope-specific immunogen Buffer System: Phosphate buffered saline (PBS), pH~7.2 Preservatives: 0.05% Sodium Azide
Applications:	ELISA: 1/10000-1/20000. Western Blot: 1/500-1/1000. Immunoprecipitation: 1/50-1/200. Immunohistochemistry on Paraffin Sections: 1/50-1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~ 57.0 kDa
Specificity:	This antibody detects endogenous levels of Myc pThr58 protein. Species: Human, Mouse and Rat. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: One year from despatch.

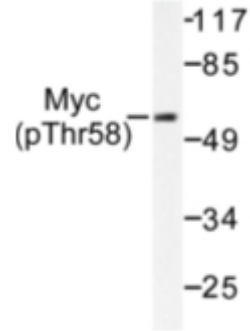
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Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

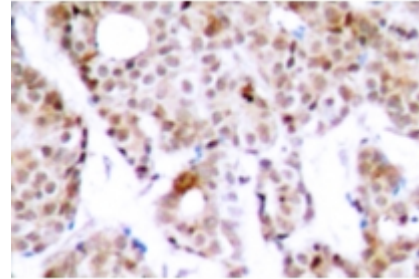


Pictures:

Western blot analysis of c-Myc pThr58 antibody Cat.-No AP01640PU-N in extracts from ovary cancer.



Immunohistochemistry analyzes of c-Myc pThr58 antibody Cat.-No AP01640PU-N in paraffin-embedded human breast carcinoma tissue.



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