Datasheet for ABIN389723

anti-c-MYC antibody (pThr58)

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Overview

Quantity:	400 µL
Target:	c-MYC (MYC)
Binding Specificity:	pThr58
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This c-MYC antibody is un-conjugated
Application:	Western Blotting (WB), Dot Blot (DB)

Product Details

Immunogen:	This MYC Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T58 of human MYC.
Clone:	RB11187
Isotype:	Ig Fraction
Predicted Reactivity:	X, Zf, M, Rat, B, Pig, Sh
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	c-MYC (MYC)
Alternative Name:	Myc Proto-Oncogene protein (MYC Products)

Target Details

Background:	MYC participates in the regulation of gene transcription. It binds DNA both in a non-specific manner and also specifically to recognizes the core sequence 5'-CAC[GA]TG-3'. This protein appears to activate the transcription of growth-related genes. Overexpression of MYC is implicated in the etiology of a variety of hematopoietic tumors. A chromosomal aberration involving MYC may be a cause of a form of B-cell chronic lymphocytic leukemia.
Molecular Weight:	48804
Gene ID:	4609
NCBI Accession:	NP_002458
UniProt:	P01106
Pathways:	p53 Signaling, Cell Division Cycle, Sensory Perception of Sound, Transition Metal Ion Homeostasis, Mitotic G1-G1/S Phases, Positive Regulation of Endopeptidase Activity, Regulation of Carbohydrate Metabolic Process, Positive Regulation of Response to DNA Damage Stimulus, Warburg Effect

Application Details

Application Notes:	WB: 1:1000. DB: 1:500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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Publications

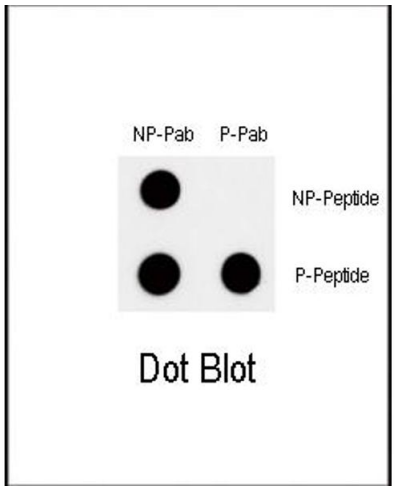
Product cited in:

Murakami, Ito, Hagiwara, Yoshida, Sobue, Ichihara, Takagi, Kojima, Tanaka, Tamiya-Koizumi, Kyogashima, Suzuki, Banno, Nozawa, Murate: "ATRA inhibits ceramide kinase transcription in a human neuroblastoma cell line, SH-SY5Y cells: the role of COUP-TFI." in: **Journal of neurochemistry**, Vol. 112, Issue 2, pp. 511-20, (2010) (PubMed).

Yang, Gagarin, St Laurent, Hammell, Toma, Hu, Iwasa, McCaffrey: "Cardiovascular inflammation and lesion cell apoptosis: a novel connection via the interferon-inducible immunoproteasome." in: **Arteriosclerosis, thrombosis, and vascular biology**, Vol. 29, Issue 8, pp. 1213-9, (2009) (PubMed).

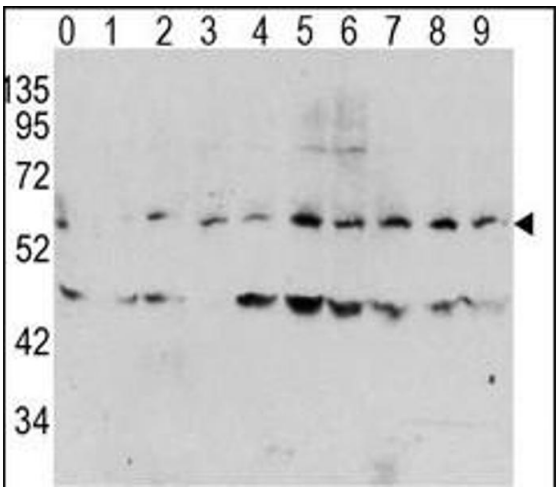
Hinkovska-Galcheva, Clark, VanWay, Huang, Hiraoka, Abe, Borofsky, Kunkel, Shanley, Shayman, Lanni, Petty, Boxer: "Ceramide kinase promotes Ca2+ signaling near IgG-opsonized targets and enhances phagolysosomal fusion in COS-1 cells." in: **Journal of lipid research**, Vol. 49, Issue 3, pp. 531-42, (2008) (PubMed).

Images



Dot Blot

Image 1. Dot blot analysis of Phospho-MYC-T58 Pab (Cat.(ABIN389723 and ABIN2839669)) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 µg per ml.



Western Blotting

Image 2. Western blot analysis of Phospho-MYC-T58 Antibody in human T activated Hela cell line lysates. Phospho-MYC (arrow) was detected using the purified b. (0: without T, 1: 60 µg/mL T, 15 min, 2: 60 µg/mL T, 30 min, 3: 60 µg/mL T, 45 min, 4: 125 µg/mL T, 15 min, 5: 125 µg/mL T, 30 min, 6: 125 µg/mL T, 45 min, 7: 250 µg/mL T, 15 min, 8: 250 µg/mL T, 30 min, 9: 250 µg/mL, 45 min)