Datasheet for ABIN1387773

anti-c-MYC antibody (AA 101-200)

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Overview

Quantity:	100 µL
Target:	c-MYC (MYC)
Binding Specificity:	AA 101-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This c-MYC antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human C-Myc
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	c-MYC (MYC)

Target Details

Alternative Name:	C-Myc (MYC Products)
Background:	Synonyms: MRTL, MYCC, c-Myc, bHLHe39, Myc proto-oncogene protein, Class E basic helix-loop-helix protein 39, Proto-oncogene c-Myc, Transcription factor p64, MYC, MYC TAG, MYC-TAG Background: Transcription factor that binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3'. Activates the transcription of growth-related genes.
Gene ID:	4609
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 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

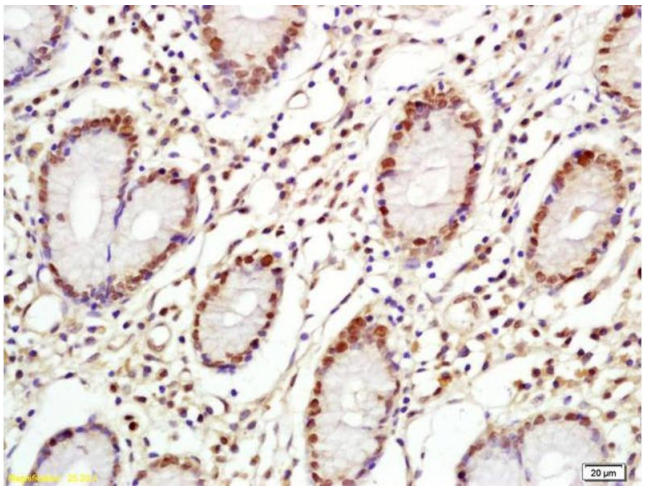
Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

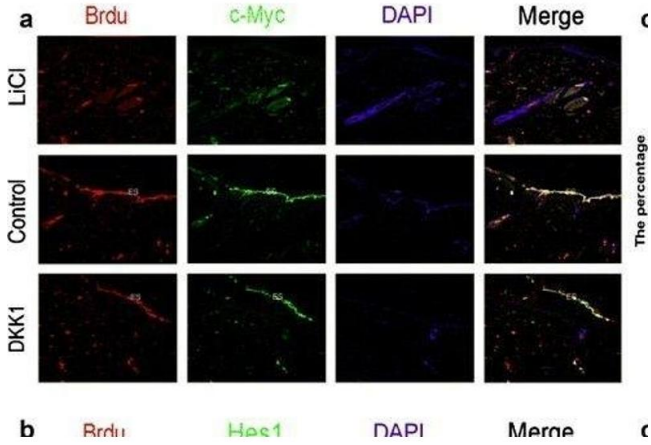
Product cited in:	Jiang, Xie, Cai, Ren, Ma: "Effects of hepatitis C virus core protein and nonstructural protein 4B on the Wnt/β-catenin pathway." in: **BMC microbiology**, Vol. 17, Issue 1, pp. 124, (2017) (PubMed). Gao, Zhao, Song, Yang: "Expression pattern of embryonic stem cell markers in DFAT cells and ADSCs." in: **Molecular biology reports**, Vol. 39, Issue 5, pp. 5791-804, (2012) (PubMed).

Images



Immunohistochemistry

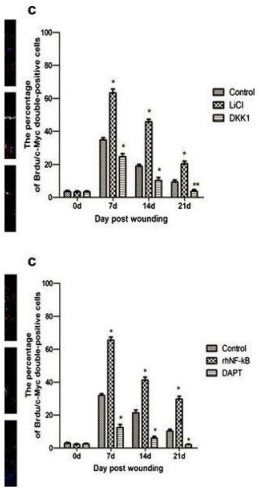
Image 1. Formalin-fixed and paraffin embedded human gastric cancer labeled with Anti-C-Myc Polyclonal Antibody, Unconjugated (ABIN1387773) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunofluorescence (Cultured Cells)

Image 2. The relationships of the Wnt and Notch signaling pathway and the proliferation of epidermal stem cells was analyzed by immunofluorescence. a and c. Representative BrdU/c-Myc double-positive cells in wounded skin on day 7 (a), and the percentage of the positive cells to total cells in wound tissue at the indicated post-wounding time points (c). b and d. Representative BrdU/Hes1 double-positive cells in wounded skin on day 7 (b), and the percentage of the

positive cells to total cells in wound tissue at the indicated post-wounding time points (d). *P < 0.01, **P < 0.05 compared with the control value (n = 5). Original magnification, 100x. Scale bar = 100 μm. BrdU 5-bromodeoxyuridine, DAPT N-[N-(3,5-difluorophenacetyl)-L-alanyl]-S-phenylglycine t-butyl ester, DKK1 Dickkopf-1, Hes hairy and enhancer of split, LiCl lithium chloride, rhNF-κB recombinant human nuclear factor-kappa-B - figure provided by CiteAb. Source: PMID26076648



Immunofluorescence (Cultured Cells)

Image 3. The relationships of the Wnt and Notch signaling pathway and the proliferation of epidermal stem cells was analyzed by immunofluorescence. a and c. Representative BrdU/c-Myc double-positive cells in wounded skin on day 7 (a), and the percentage of the positive cells to total cells in wound tissue at the indicated post-wounding time points (c). b and d. Representative BrdU/Hes1 double-positive cells in wounded skin on day 7 (b), and the percentage of the positive cells to total cells in wound tissue at the indicated post-wounding time points (d). *P < 0.01, **P < 0.05 compared with the control value (n = 5). Original magnification, 100x. Scale bar = 100 μm. BrdU 5-bromodeoxyuridine, DAPT N-[N-(3,5-difluorophenacetyl)-L-alanyl]-S-phenylglycine t-butyl ester, DKK1 Dickkopf-1, Hes hairy and enhancer of split, LiCl lithium chloride, rhNF-κB recombinant human nuclear factor-kappa-B - figure provided by CiteAb. Source: PMID26076648