Myc(Phospho-Thr58) Antibody

Catalog No: #11034

Package Size: #11034-1 50ul #11034-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Myc(Phospho-Thr58) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Myc only when phosphorylated at threonine 58.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 58 (L-P-T(p)-P-P) derived from Human Myc.
Target Name	Myc
Modification	Phospho
Other Names	c-myc
Accession No.	Swiss-Prot: P01106NCBI Protein: NP_002458.2
Uniprot	P01106
GeneID	4609;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

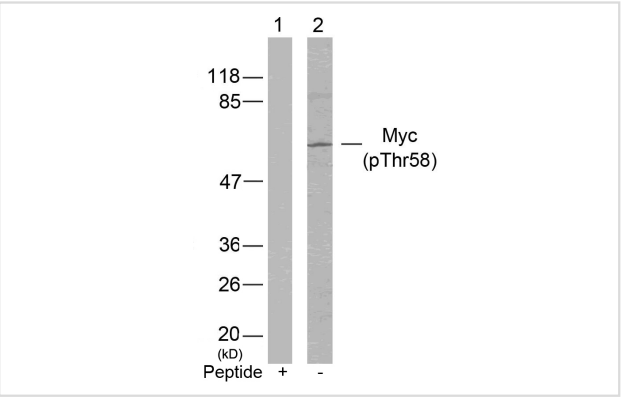
Application Details

Predicted MW: 60kd

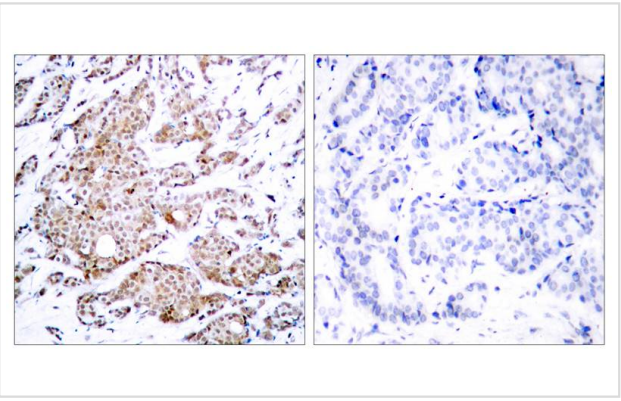
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from Hela cells using Myc(Phospho-Thr58) Antibody #11034(Lane 2) and the same antibody preincubated with blocking peptide(Lane1).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Myc(Phospho-Thr58) Antibody #11034(left) or the same antibody preincubated with blocking peptide(right).

Background

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.

Jin Z, et al. (2004) J Biol Chem. 279(38): 40209-40219.

Welcker M, et al. (2004) Proc Natl Acad Sci U S A. 101(24): 9085-9090.

Baudino T A, et al. (2001) Mol Cell Biol. 21: 691-702.

Blackwood E M, et al. (1991) Science. 251:1211-1217.

Henriksson M, et al. (1996) Adv Cancer Res. 68: 109-182.

Note: This product is for in vitro research use only