

ARG30012 Phospho Myc Antibody Duo (pS62, pS58)

Package: 1 pair
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG51538	anti-Myc phospho (Thr58) antibody	Rabbit pAb	Hu, Ms, Rat	IHC-P, WB	50 µl
ARG51785	anti-Myc phospho (Ser62) antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, WB	50 µl

Summary

Product Description c-Myc is a multifunctional nuclear phosphoprotein that plays as a transcription factor to involve in controlling many cellular functions, including cell proliferation, cell growth, and cell differentiation, as well as pathways that regulate genome stability and cell death. Mutations, overexpression, rearrangement and translocation of c-myc have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. Phosphorylation of c-Myc at Ser62 by ERK or CDK kinases transiently increases c-Myc stability; however, phosphorylation of c-Myc at Thr58 by GSK3β triggers dephosphorylation of Ser62 by protein phosphatase 2A (PP2A), it lead to c-Myc ubiquitination by the SCF-Fbw7 E3 ligase and proteasomal degradation. Thus the phosphor-Ser62/Thr58 ratio of c-Myc is one of the important indexes in c-Myc activity and stability study. [\[PMID:21266350\]](https://pubmed.ncbi.nlm.nih.gov/21266350/) ARG30012 Myc phospho Duos, providing antibodies recognize phosphorylated c-Myc at Ser62 and Thr58, is useful for the scientists in c-Myc related study.

Target Name Myc

Alternate Names Phospho Myc antibody; Myc phospho (Thr58) antibody; Myc phospho (Ser62) antibody

Properties

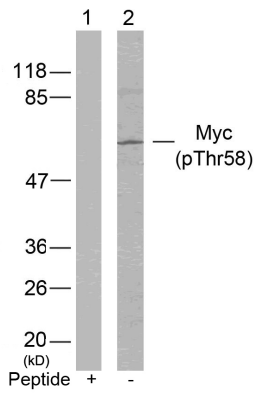
Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

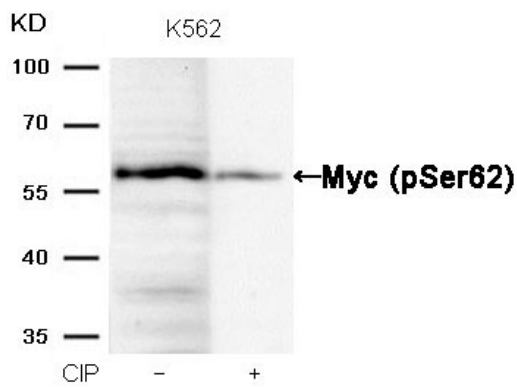
Gene Full Name Antibody Duo for Phospho Myc (pS62, pS58)

Research Area Cancer antibody; Controls and Markers antibody; Developmental Biology antibody; Gene Regulation antibody; Signaling Transduction antibody



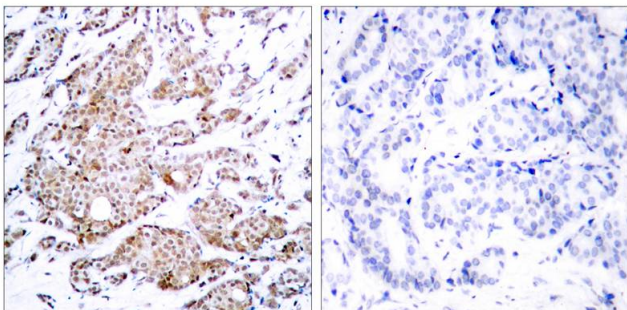
ARG51538 anti-Myc phospho (Thr58) antibody WB image

Western Blot: extracts from HeLa cells stained with anti-c-Myc (phospho Thr58) antibody ARG51538 (Lane 2) and the same antibody preincubated with blocking peptide (Lane1).



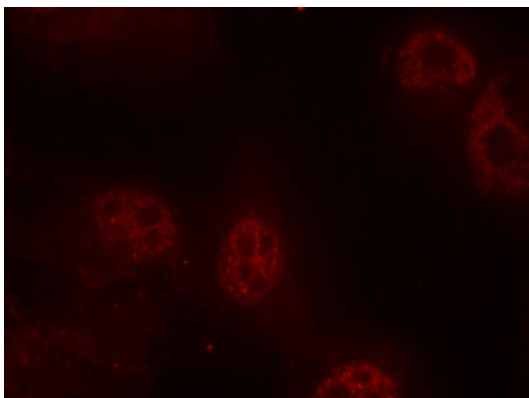
ARG51785 anti-Myc phospho (Ser62) antibody WB image

Western Blot: extracts from K562 cells, treated with calf intestinal phosphatase (CIP), stained with anti-c-Myc (phospho Ser62) antibody ARG51785.



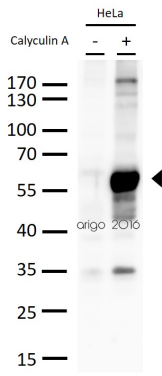
ARG51538 anti-Myc phospho (Thr58) antibody IHC-P image

Immunohistochemistry: paraffin-embedded human breast carcinoma tissue stained with anti-c-Myc (phospho Thr58) antibody ARG51538 (left) or the same antibody preincubated with blocking peptide (right).



ARG51785 anti-Myc phospho (Ser62) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with anti-c-Myc (phospho Ser62) antibody ARG51785.



ARG51785 anti-Myc phospho (Ser62) antibody WB image

Western blot: 30 µg of HeLa cell lysates untreated or treated with calyculin A (50nM, 30mins). The blots were stained with ARG51785 anti-Myc phospho (Ser62) antibody at 1:500 dilution.