

ARG30043 Phospho ZAP70 Antibody Duo (pY319, pY493)

Package: 1 pair
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG51657	anti-ZAP70 phospho (Tyr319) antibody	Rabbit pAb	Hu, Ms, Rat	ICC/IF, WB	50 µl
ARG51658	anti-ZAP70 phospho (Tyr493) antibody	Rabbit pAb	Hu, Ms, Rat	IHC-P, WB	50 µl

Summary

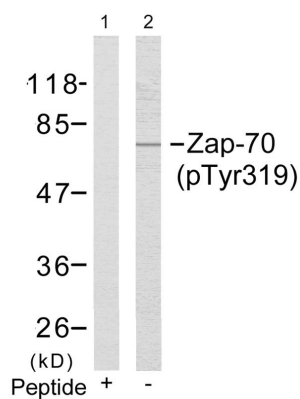
Product Description	ZAP70, Zeta-chain-associated protein kinase 70 (70kDa), is a tyrosine kinase protein normally expressed near the surface membrane of T cells and natural killer cells and plays a critical role in the events involved in initiating T-cell responses by the antigen receptor. Phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation. Phosphorylation of Tyr-315 and Tyr-319 are essential for ZAP70 positive function on T-lymphocyte activation whereas Tyr-292 has a negative regulatory role. Within the C-terminal kinase domain, Tyr-492 and Tyr-493 are phosphorylated after TCR induction, Tyr-492 playing a negative regulatory role and Tyr-493 a positive. Tyr-493 is dephosphorylated by PTN22. ARG30043 ZAP70 phospho Duos (pY319, pY493), including antibodies react two important phosphorylation site of ZAP70 on Tyr-319 and Tyr-493, is useful for ZAP70 signaling transduction studies.
Target Name	ZAP70
Alternate Names	Phospho ZAP70 antibody; Phospho Zeta chain of T cell receptor associated protein kinase 70 antibody; ZAP70 phospho (Tyr319) antibody; ZAP70 phospho (Tyr493) 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.

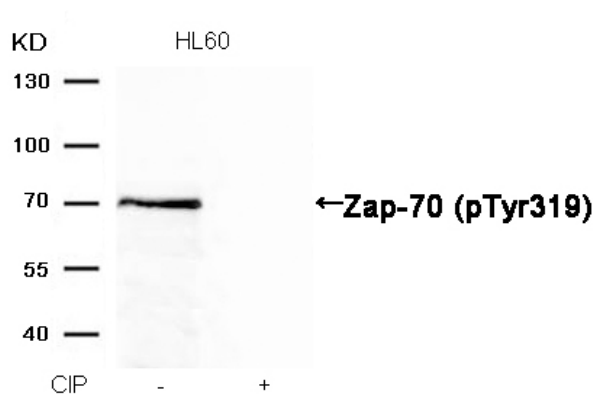
Bioinformation

Gene Full Name	Phospho Zeta chain of T cell receptor associated protein kinase 70 (ZAP70) Antibody Duo (pY319, pY493)
Research Area	Controls and Markers antibody; Immune System antibody; Signaling Transduction antibody



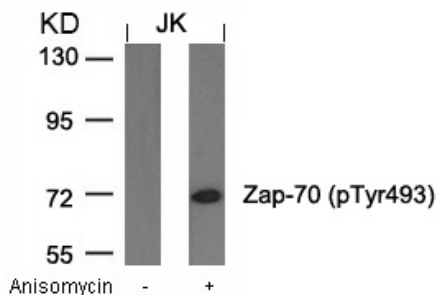
ARG51657 anti-Zap-70 phospho (Tyr319) antibody WB image

Western Blot: extracts from Jurkat cells stained with anti-Zap-70 (phospho Tyr319) antibody ARG51657 (Lane 2) and the same antibody preincubated with blocking peptide (Lane1).



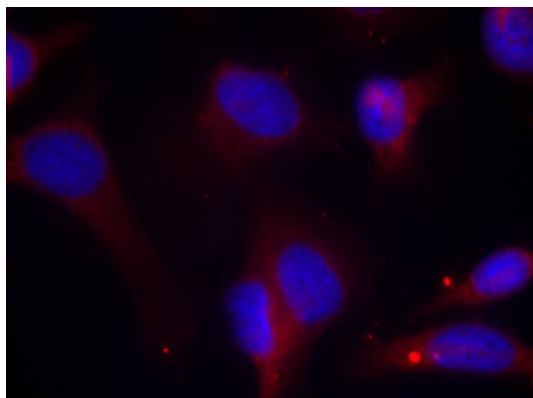
ARG51657 anti-Zap-70 phospho (Tyr319) antibody WB image

Western Blot: extracts from HL60 cells, treated with calf intestinal phosphatase (CIP), stained with anti-Zap-70 (phospho Tyr319) antibody ARG51657.



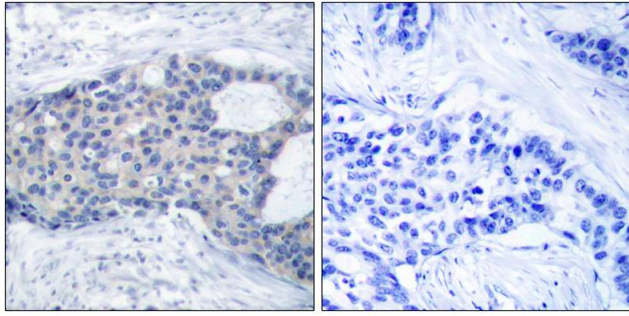
ARG51658 anti-Zap-70 phospho (Tyr493) antibody WB image

Western Blot: extracts from JK cells untreated or treated with anisomycin stained with anti-Zap-70 (phospho Tyr493) antibody ARG51658.



ARG51657 anti-Zap-70 phospho (Tyr319) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with anti-Zap-70 (phospho Tyr319) antibody ARG51657.



ARG51658 anti-Zap-70 phospho (Tyr493) antibody IHC-P image

Immunohistochemistry: paraffin-embedded human breast carcinoma tissue stained with anti-Zap-70 (phospho Tyr493) antibody ARG51658 (left) or the same antibody preincubated with blocking peptide (right).