

Zap-70 (Phospho Tyr319)/Syk (Phospho Tyr352) Rabbit mAb (AR1594)

Key Features

Host Species:	Rabbit
Reactivity:	Human, Mouse
Applications:	WB, IF, ELISA
Isotype:	IgG, Kappa
MW:	70kD (Calculated) 70kD (Observed)

Recommended Dilution Ratios

WB:	1:2000-10000
IF:	1:200-1000
ELISA:	1:5000-20000

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Monoclonal
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Immunogen Information

Specificity	The antibody detects endogenous ZAP-70/Syk (Phospho AE13) protein.
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Target Information

Gene name	ZAP70/SYK
Protein Name	Tyrosine-protein kinase ZAP-70/Tyrosine-protein kinase SYK

Organism	Gene ID	UniProt ID
Human	7535; 6850	P43403; P43405
Mouse	22637; 20963	P43404; P48025

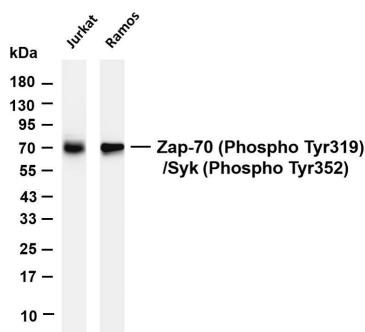
Cellular Localization	Cytoplasm. Cell membrane; Peripheral membrane protein. In quiescent T-lymphocytes, it is cytoplasmic. Upon TCR activation, it is recruited at the plasma membrane by interacting with CD247/CD3Z. Colocalizes together with RHOH in the immunological synapse. RHOH is required for its proper
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Tissue specificity

localization to the cell membrane and cytoskeleton fractions in the thymocytes (By similarity). cytosol.

ZAP70: Expressed in T- and natural killer cells. Also present in early thymocytes and pro/pre-B cells. SYK: Widely expressed in hematopoietic cells (at protein level). Expressed in neutrophils (at protein level). Within the B-cell compartment, expressed from pro- and pre-B cells to plasma cells.

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Zap-70 (Phospho Tyr319) /Syk (Phospho Tyr352) antibody. The HRP conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

Lane 1: Jurkat

Lane 2: Ramos

Predicted band size: 70kDa

Observed band size: 70kDa

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