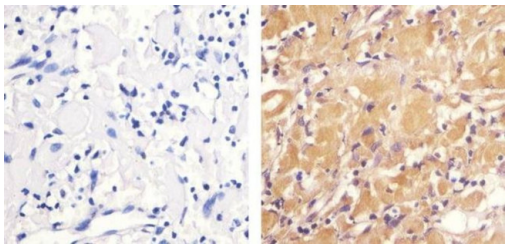
Phospho-Zap-70 (Tyr292) Polyclonal Antibody

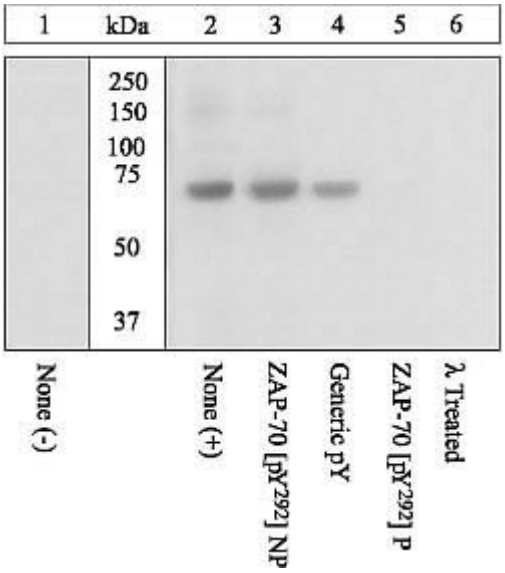
Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of human ZAP-70 that contains tyrosine 292. The sequence is conserved in mouse.
Form	Liquid
Storage conditions	-20°C
RRID	AB_2533609

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:20	-

Product Images For Phospho-Zap-70 (Tyr292) Polyclonal Antibody



Phospho-Zap-70 (Tyr292) Antibody (44-230G) in IHC (P)
Immunohistochemistry analysis of Phospho-ZAP-70 pTyr292 showing staining in the cytoplasm of paraffin-embedded human lymph node tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Anti- Phospho-ZAP-70 pTyr292 Polyclonal Antibody (Product # 44-230G) diluted in 3% BSA-PBS at a dilution of 1:20 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Phospho-Zap-70 (Tyr292) Antibody (44-230G) in WB
Lysates prepared from Jurkat cells left untreated (1) or treated with hydrogen peroxide (2-6) were resolved by SDS-PAGE on a 10% polyacrylamide gel and transferred to PVDF. Membranes were either left untreated (1-5) or treated with lambda () phosphatase (6), blocked with a 5% BS A-TBST buffer for one hour at room temperature, and incubated with ZAP-70 (pY292) antibody for two hours at room temperature in a 3% BSA-TBST buffer, following prior incubation with: no peptide (1, 6), the non-phosphopeptide corresponding to the immunogen (2), a generic phosphotyrosine-containing peptide (4) or, the phosphopeptide immunogen (5). After washing, membranes were incubated with goat F (ab')2 anti-rabbit IgG HRP conjugate (Product # ALI4404), and bands were detected using the Pierce SuperSignal™ method.