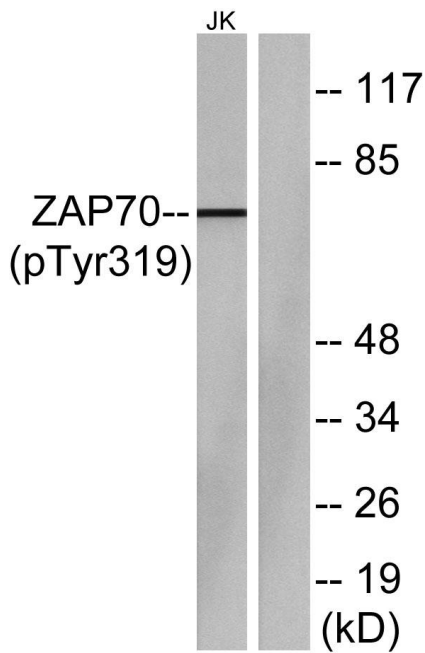
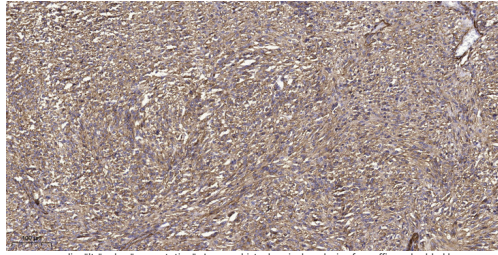


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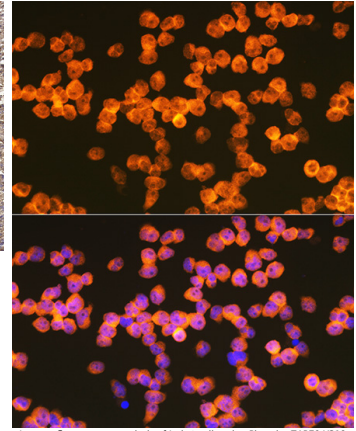
<b>Product name:</b>	Phospho-ZAP-70 (Y319) Rabbit Polyclonal Antibody
<b>Cat number:</b>	ABP11202
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ug
<b>Clone:</b>	Poly
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	The antiserum was produced against synthesized peptide derived from human ZAP-70 around the phosphorylation site of Tyr319. AA range:286-335
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Applications:</b>	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:100- 1:300 Immunofluorescence: 1:200 - 1:1000 ELISA: 1:20000
<b>Molecular Weight:</b>	70kDa
<b>Purification:</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Form:</b>	liquid
<b>Buffer:</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage:</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Background:</b>	Zeta chain of T cell receptor associated protein kinase 70(ZAP70) Homo sapiens This gene encodes an enzyme belonging to the protein tyrosine kinase family, and it plays a role in T-cell development and lymphocyte activation. This enzyme, which is phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation, functions in the initial step of TCR-mediated signal transduction in combination with the Src family kinases, Lck and Fyn. This enzyme is also essential for thymocyte development. Mutations in this gene cause selective T-cell defect, a severe combined immunodeficiency disease characterized by a selective absence of CD8-positive T-cells. Two transcript variants that encode different isoforms have been found for this gene.



Western blot analysis of lysates from Jurkat cells, using ZAP-70 (Phospho-Tyr319) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1. Primary Antibody was diluted at 1:200 (4<sup>+</sup> overnight). 2. Sodium citrate pH 6.0 was used for antigen retrieval (>90°C, 20min). 3. Secondary antibody was diluted at 1:200.



Immunofluorescence analysis of Jurkat cells using Phospho-ZAP70-Y319 Rabbit pAb at dilution of 1:100 (40x lens). Jurkat cells were treated by Hydrogen Peroxide (2 mM) at 37°C for 2 minutes after serum-starvation overnight. Blue: DAPI for nuclear staining.