

Product datasheet for **AP02442PU-S**

ZAP70 pTyr493 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western Blot 1/500-1/1000). Immunohistochemistry on Paraffin-Embedded Sections (1/50-1/100).
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from Human Zap-70 around the phosphorylation site of tyrosine 493 (S-Y- <i>Yp</i> -T-A).
Specificity:	This antibody detects endogenous levels of Zap-70 only when phosphorylated at Tyrosine 493.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity chromatography using epitope-specific phosphopeptide.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	zeta chain of T cell receptor associated protein kinase 70kDa
Database Link:	Entrez Gene 7535 Human P43403
Background:	ZAP70, a 70 kDa member of the Syk tyrosine kinase family, plays a central role in lymphocyte activation and development, and is implicated in several immune disorders. Mutations in ZAP70 gene results in a form of Severe Combined Immunodeficiency Syndrome (SCID) in humans. ZAP70 expression also defines a subset of Chronic Lymphocytic Leukemia (CLL) in patients with unmutated Ig gene and poor clinical course.



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Synonyms: ZAP-70, ZAP 70, SRK

Product images:

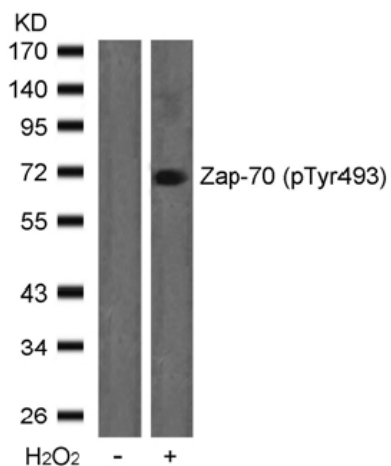


Figure 2. Western blot analysis of extracts from JK cells untreated or treated with H₂O₂ (2mM 3min) using Zap-70 pTyr493 antibody.

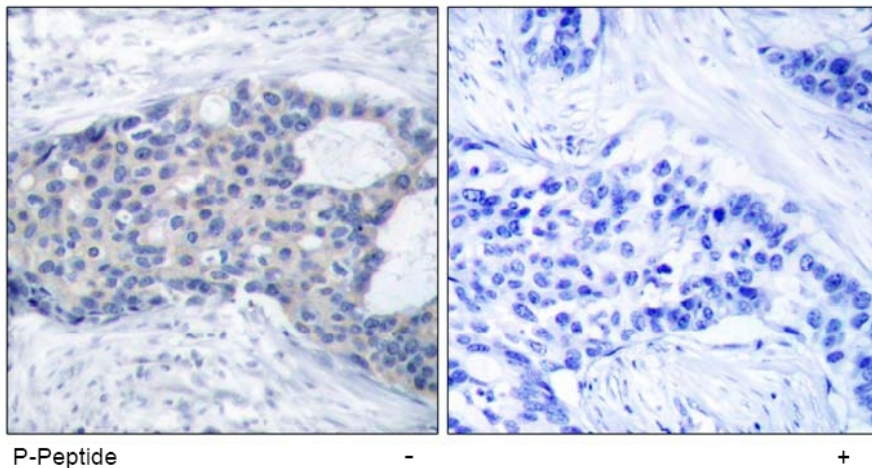


Figure 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using Zap-70 (phospho-Tyr493) antibody.