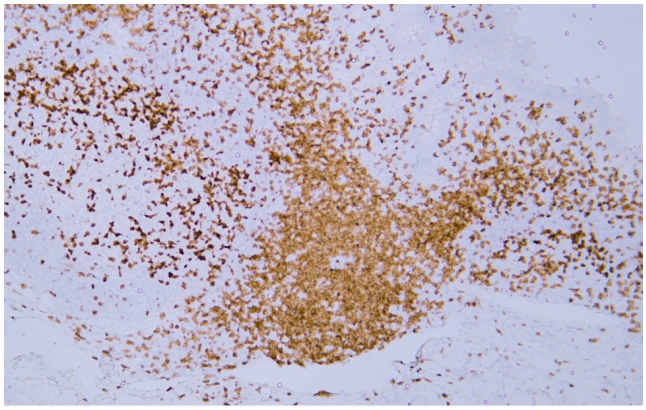
ZAP-70 (ABT246) Mouse mAb

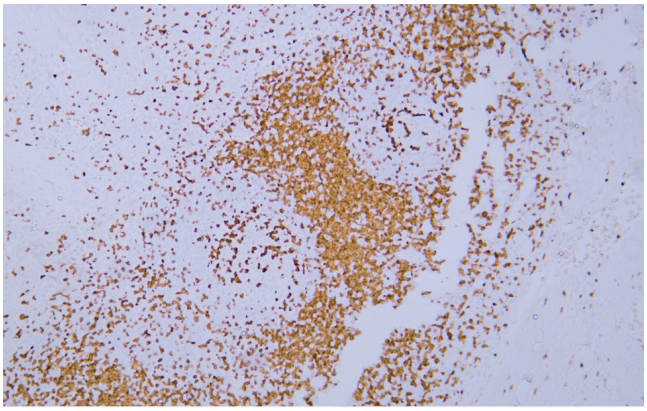
Catalog No	YP-Ab-15104
Isotype	IgG
Reactivity	Human; Predict react with Mouse, Rat
Applications	IHC,WB
Gene Name	ZAP70 SRK
Protein Name	70 kDa zeta associated protein;70 kDa zeta-associated protein;EC 2.7.10.2;FLJ17670;FLJ17679;Selective T cell defect;SRK;STD;Syk related tyrosine kinase;Syk-related tyrosine kinase;Truncated ZAP kinase
Immunogen	Synthesized peptide derived from human ZAP-70
Specificity	The antibody can specifically recognize human ZAP-70 protein.In western blotting of Jurkat cell lysate, the antibody can label a 70 kDa band corresponding to ZAP-70.
Formulation	PBS, pH7.2, 0.03% Porcolin 300, containing stabilizing protein
Source	Mouse, Monoclonal/IgG1, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:200-400,WB: 500-1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	70 kDa zeta associated protein;70 kDa zeta-associated protein;EC 2.7.10.2;FLJ17670;FLJ17679;Selective T cell defect;SRK;STD;Syk related tyrosine kinase;Syk-related tyrosine kinase;Truncated ZAP kinase;Tyrosine protein kinase ZAP70;Tyrosine-protein kinase ZAP-70;TZK;ZAP 70;ZAP70;ZAP70_HUMAN;Zeta chain associated protein kinase 70kD;Zeta chain associated protein kinase 70 kDa;Zeta chain associated protein kinase 70 kDa isoform 1;Zeta chain associated protein kinase 70 kDa isoform 2;Zeta chain of T cell receptor associated protein kinase 70;Zeta chain TCR associated protein kinase 70kD;Zeta chain TCR associated protein kinase 70 kDa
Observed Band	
Cell Pathway	Cytoplasmic, Nuclear
Tissue Specificity	Tonsil/ Appendix
Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,disease:Defects in ZAP70 are the cause of selective T-cell defect

	(STD) [MIM:176947]. STD is an autosomal recessive form of severe combined immunodeficiency characterized by a selective absence of CD8-type T-cells.,domain:The SH2 domain binds to the phosphorylated tyrosine-based activation motif (TAM) of CD3Z.,function:Plays a role in T-cell development and lymphocyte activation. Essential for TCR-mediated IL-2 production. Isoform 1 induces TCR-mediated signal transduction, isoform 2 does not.,online information:ZAP70 mutation db,PTM:Phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation. Tyr-319 phosphorylation is essential for full activity.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. SYK/ZAP-70 subfamily.,similarity:Contains 1 prote
Background	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. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

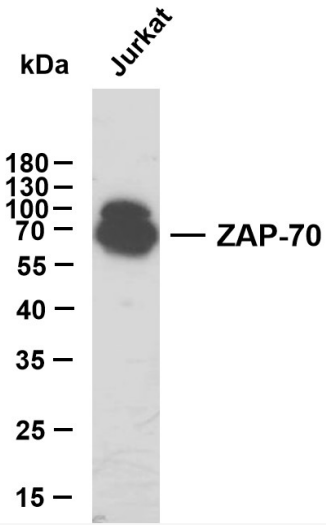
Products Images



Human appendix tissue was stained with Anti-ZAP-70 (ABT246) Antibody



Human tonsil tissue was stained with Anti-ZAP-70 (ABT246) Antibody



Jurkat whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-ZAP-70(ABT246)antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: Jurkat Predicted band size: 70kDa Observed band size: 70kDa