

Zap-70(Phospho-Tyr493) Antibody

Catalog No: #11160

Package Size: #11160-1 50ul #11160-2 100ul

Description

Product Name	Zap-70(Phospho-Tyr493) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Zap-70 only when phosphorylated at tyrosine 493.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 493 (S-Y-Y(p)-T-A) derived from Human Zap-70.
Conjugates	Unconjugated
Target Name	Zap-70
Modification	Phospho
Other Names	70 kDa zeta-associated protein; SRK; Syk-related tyrosine kinase; ZA70; ZAP-70
Accession No.	Swiss-Prot: P43403 NCBI Protein: NP_001070.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

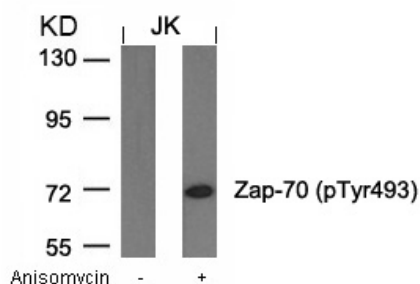
Application Details

Predicted MW: 70kd

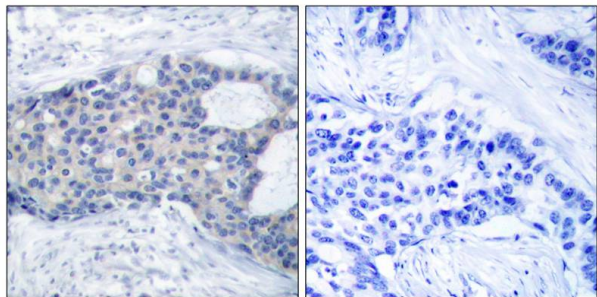
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from JK cells untreated or treated with anisomycin using Zap-70(Phospho-Tyr493) Antibody #11160.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Zap-70(Phospho-Tyr493) Antibody #11160(left) or the same antibody preincubated with blocking peptide(right).

Background

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.

Chan AC, et al. (1995) EMBO J; 14(11): 2499-2508

Kong G, et al. (1996) Mol Cell Biol; 16(9): 5026-5035

Salomon AR, et al. (2003)Proc Natl Acad Sci U S A; 100(2): 443-448

Note: This product is for in vitro research use only and is not intended for use in humans or animals.