

Zap-70(Ab-493) Antibody

Catalog No: #21174

Package Size: #21174-1 50ul #21174-2 100ul

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Description

Product Name	Zap-70(Ab-493) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Zap-70 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.491~495 (S-Y-Y-T-A) derived from Human ZAP70.
Target Name	Zap-70
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
Uniprot	P43403
GeneID	7535;
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.

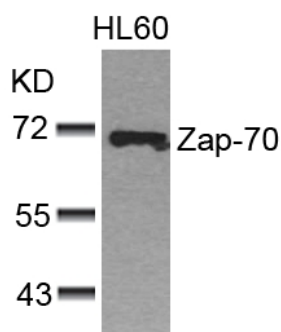
Application Details

Predicted MW: 70kd

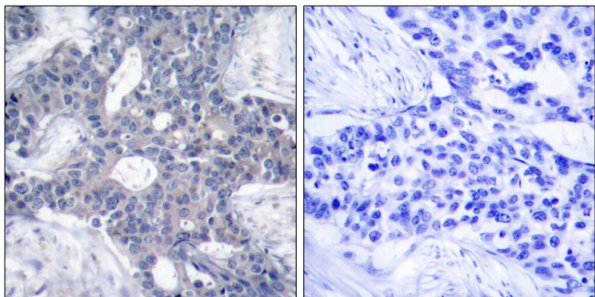
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HL60 cells using Zap-70(Ab-493) Antibody #21174.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Zap-70(Ab-493) Antibody #21174(left) or the same antibody preincubated with blocking peptide(right).

Background

ZAP70 is a 70-kD tyrosine phosphoprotein that associates with the zeta chain and undergoes tyrosine phosphorylation following TCR stimulation. The ZAP70 gene is expressed in T- and natural KILLER cells. Protein-Tyrosine Kinases (PTKs) play an integral role in T-cell activation. Stimulation of the T-cell antigen receptor results in tyrosine phosphorylation of a number of cellular substrates. One of these is the TCR-zeta chain, which can mediate the transduction of extracellular stimuli into cellular effector functions

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