

# CD3 $\zeta$ (Phospho-Tyr142) Antibody

Catalog No: #11655

Package Size: #11655-1 50ul #11655-2 100ul

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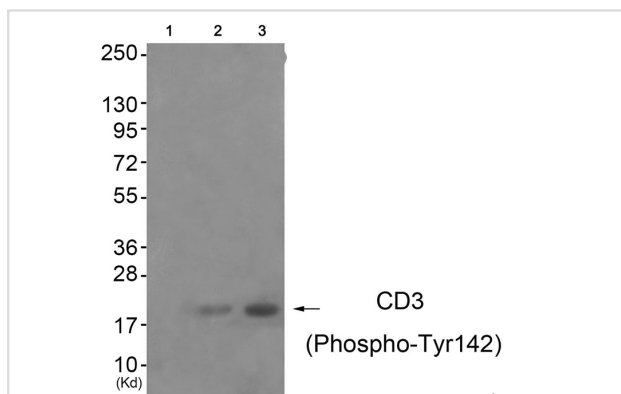
## Description

Product Name	CD3 $\zeta$ (Phospho-Tyr142) 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
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of CD3 $\zeta$ only when phosphorylated at tyrosine 142.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 142 (G-L-Y(p)-Q-G) derived from Human CD3 $\zeta$ .
Target Name	CD3 $\zeta$
Modification	Phospho
Other Names	T3Z; CD3-zeta; TCRZ; T-cell receptor T3 zeta chain;
Accession No.	Swiss-Prot#: P20963; NCBI Gene#: 919; NCBI Protein#: NP_000725.1.
SDS-PAGE MW	20kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from JK cells (Lane 2) and K562 cells (Lane 3), using CD3  $\zeta$  (Phospho-Tyr142) Antibody #11655. The lane on the left is treated with antigen-specific peptide.

## Background

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Probable role in assembly and expression of the TCR complex as well as signal transduction upon antigen triggering.

Linda A. Trimble, *Blood*, Aug 2000; 96: 1021 - 1029.

Sandeep Krishnan, *J. Immunol.*, Sep 2005; 175: 3417 - 3423.

Linda A. Trimble, *J. Virol.*, Aug 2000; 74: 7320 - 7330.

Hisashi Arase, *J. Immunol.*, Jan 2001; 166: 21.

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