

CD3 zeta Polyclonal Antibody | anti-CD3 zeta antibody

CD3 zeta Antibody

CATALOG # AAA111244	REACTIVITY Mouse, Human, Rat	APPLICATIONS Immunocytochemistry, Western Blot
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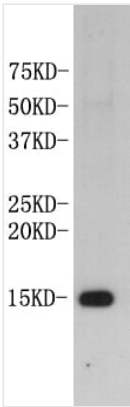
PRODUCT SYNONYMS

CD3 zeta; Polyclonal Antibody; CD3 zeta Antibody; anti-CD3 zeta antibody

PRODUCT SPECIFICATIONS

Reactivity	Mouse, Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to a region of C-terminal residues of CD3 zeta.
Purity/Purification	Immunogen affinity purified
Form/Format	Liquid
Concentration	0.49 mg/ml (varies by lot)
Sequence Length	163
Applicable Applications for anti-CD3 zeta antibody	ICC (Immunocytochemistry), WB (Western Blot)
Preservative	0.05% Sodium Azide.
Cellular Localization	Cell Membrane
Positive Control	Jurkat
Storage Buffer	1*TBS (pH7.4), 0.5%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.
Preparation and Storage	Store at +4 degree C after thawing. Aliquot store at -20 degree C or -80 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data
Fig: Western blot analysis on Jurkat cell lysates using anti- CD3 zeta polyclonal antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CD3 zeta antibody	CD3 is composed of five invariant polypeptide chains that associate to form three dimers. The five invariant chains of CD3 are labeled gamma, delta, epsilon, zeta, and eta. CD3-zeta forms either homodimers or heterodimers with CD3-eta. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Loss of the zeta chain results in the synthesis of unstable TCRs.
References	1. Weissman A.M., Hou D., Orloff D.G., Modi W.S., Seunanez H., O'Brien S.J., Klausner R.D.; "Molecular cloning and chromosomal localization of the human T-cell receptor zeta chain: distinction from the molecular CD3.complex."; Proc. Natl. Acad. Sci. U.S.A. 85:9709-971.(1.88). 2. Rieux-Laucat F., Hivroz C., Lim A., Mateo V., Pellier I., Selz F., Fischer A., Le Deist F.; "Inherited and somatic CD3.eta mutations in a patient with T-cell deficiency."; N. Engl. J. Med. 3.4:1.1.-1.2.(2.06).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557431
NCBI GeneID	919
NCBI Accession #	NP_000725.1
NCBI GenBank Nucleotide #	NM_000734.3
UniProt Accession #	P20963; Q5VX13; Q8TAX4; B1AK49; A46461
Molecular Weight	16kDa
NCBI Official Full Name	T-cell surface glycoprotein CD3 zeta chain isoform 2
NCBI Official Synonym Full Names	CD247 molecule
NCBI Official Symbol	CD247
NCBI Official Synonym Symbols	T3Z; CD3H; CD3Q; CD3Z; TCRZ; IMD25; CD3-ZETA
NCBI Protein Information	T-cell surface glycoprotein CD3 zeta chain
UniProt Protein Name	T-cell surface glycoprotein CD3 zeta chain
UniProt Gene Name	CD247
UniProt Synonym Gene Names	CD3Z; T3Z; TCRZ

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

