

Rabbit CD3 zeta Polyclonal Antibody | anti-CD3 zeta antibody

Rabbit anti CD3 zeta Polyclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71436	Rabbit	Human, Rat, Mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunoprecipitation, Western Blot

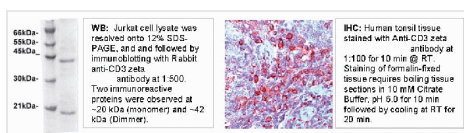
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	This antibody recognizes human CD3 zeta protein. It cross-reacts to human, mouse and rat. The other species was not tested.
Purity/Purification	The Rabbit IgG is purified by Epitope-specific Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-CD3 zeta antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Antigen Preparation	A synthetic peptide corresponding to the N-terminus of human CD3 zeta. This sequence is identical among human, rat and mouse species.
Positive Control	Kidney Tissue
Cellular Location	Cell Membrane
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD3 zeta antibody	CD3 is a glycoprotein consisting of up to five polypeptide chains (gp20, gp26, p16, p20, p28). It forms three dimmers: a heterodimer of gamma and epsilon chain, a heterodimer of delta and epsilon chains and a homodimer of two zeta chains or a heterodimer of zeta and eta chains. CD3 is required for proper assembly, trafficking and surface expression of TCR complex. CD3 is expressed by Thymocytes in a developmentally regulated manner and by all mature T cells. CD3 is involved in T cell activation, proliferation and apoptosis pathway. This protein is present on virtually all peripheral blood T cells and Thymocytes. The CD3 zeta plays an important role in coupling antigen recognition to several intracellular signal transduction pathway. Low expression of the antigen results in impaired immune response.
References	Kearse KP. Calnexin associates with monomeric and oligomeric (disulfidelinked) CD3delta proteins in murine T lymphocytes. J Biol Chem. (1998) 273 (23):141527.

NCBI AND UNIPROT INFORMATION

NCBI GI #	317574777
NCBI GeneID	100305023
NCBI Accession #	NP_001187191.1
NCBI GenBank Nucleotide #	NM_001200262.1
Molecular Weight	20.0
NCBI Official Full Name	CD3 zeta
NCBI Official Symbol	LOC100305023
NCBI Protein Information	CD3 zeta

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.