

CD3Z Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1413a

Product Information

Application	WB, FC, E
Primary Accession	P20963
Other Accession	Q9XSJ9
Reactivity	Human
Predicted	Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB13817
Antigen Region	2-31

Additional Information

Other Names	T-cell surface glycoprotein CD3 zeta chain, T-cell receptor T3 zeta chain, CD247, CD247, CD3Z, T3Z, TCRZ
Target/Specificity	This CD3Z antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-31 amino acids from the N-terminal region of human CD3Z.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CD3Z Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

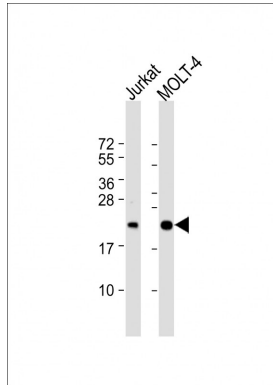
Background

T-cell receptor zeta, together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response.

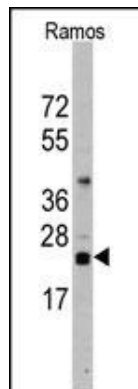
References

Miyagawa,H., Rheumatology (Oxford) 47 (2), 158-164 (2008)
Gorman,C.L., J. Immunol. 180 (2), 1060-1070 (2008)
Eleftheriadis,T., Am. J. Nephrol. 28 (1), 152-157 (2008)

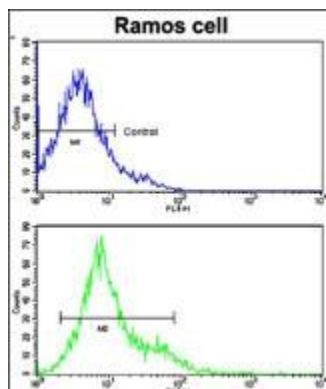
Images



All lanes : Anti-CD3Z Antibody (N-term) at 1:1000 dilution
Lane 1: Jurkat whole cell lysate Lane 2: MOLT-4 whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 19 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of anti-CD3Z Antibody (N-term) (RB13817) in Ramos cell line lysates (35ug/lane). CD3Z(arrow) was detected using the purified Pab.



Flow cytometric analysis of Ramos cells using CD3Z Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.