

Datasheet

CD247 polyclonal antibody

Catalog Number: PAB2494

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of CD247.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CD247.

Host: Rabbit

Reactivity: Human

Applications: WB-Tr

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Purification: Protein A purification

Recommend Usage: Western Blot (1:1000)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 919

Gene Symbol: CD247

Gene Alias: CD3-ZETA, CD3H, CD3Q, CD3Z, T3Z, TCRZ

Gene Summary: The protein encoded by this gene is T-cell receptor zeta, which 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. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq]

References:

1. Association of polymorphisms in complement component C3 gene with susceptibility to systemic lupus erythematosus. Miyagawa H, Yamai M, Sakaguchi D, Kiyohara C, Tsukamoto H, Kimoto Y, Nakamura T, Lee JH, Tsai CY, Chiang BL, Shimoda T, Harada M, Tahira T, Hayashi K, Horiuchi T. Rheumatology (Oxford). 2008 Feb;47(2):158-64. Epub 2008 Jan 3.
2. Polymorphisms in the CD3Z gene influence TCRzeta expression in systemic lupus erythematosus patients and healthy controls. Gorman CL, Russell AI, Zhang Z, Cunninghame Graham D, Cope AP, Vyse TJ. J Immunol. 2008 Jan 15;180(2):1060-70.
3. Chronic inflammation and T cell zeta-chain downregulation in hemodialysis patients. Eleftheriadis T, Kartsios C, Yiannaki E, Kazila P, Antoniadi G, Liakopoulos V, Markala D. Am J Nephrol. 2008;28(1):152-7. Epub 2007 Oct 19.