Datasheet for ABIN6138181

anti-CD3 epsilon antibody (C-Term)

5 Images

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Overview

Quantity:	100 µL
Target:	CD3 epsilon (CD3E)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 100 to the C-terminus of human CD3E Antigen (NP_000724.1).
Sequence:	PRGSKPEDAN FYLYLRARVC ENCMEMDVMS VATIVIVDIC ITGGLLLLVY YWSKNRKAKA KPVTRGAGAG GRQRGQNKER PPPVPNPDYE PIRKGQRDLY SGLNQRRI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

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Target Details

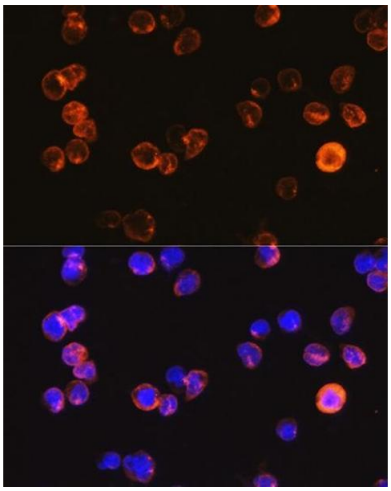
Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3E (CD3E Products)
Background:	The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women.,CD3E,IMD18,T3E,TCRE,CD3e molecule,Cell Biology & Developmental Biology,Apoptosis,Immunology & Inflammation,CD markers,T Cell Receptor Signaling Pathway,Stem Cells,Hematopoietic Progenitors,CD3E
Molecular Weight:	23 kDa
Gene ID:	916
UniProt:	P07766
Pathways:	TCR Signaling, CXCR4-mediated Signaling Events, Ubiquitin Proteasome Pathway

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

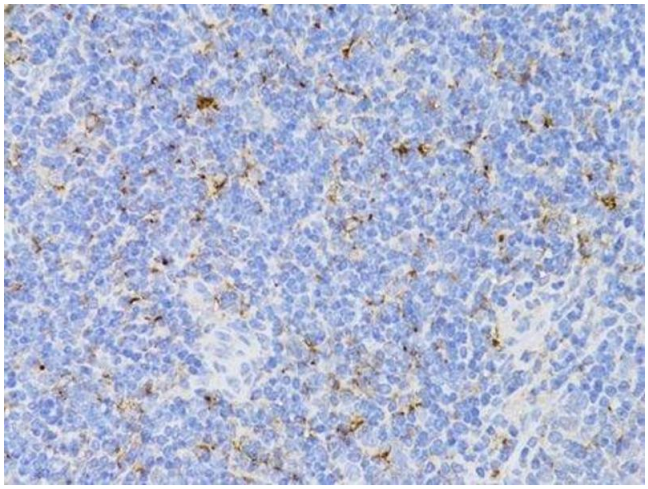
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



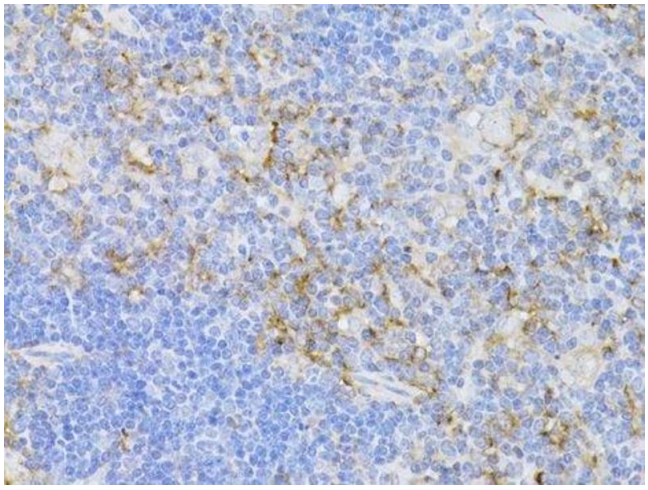
Immunofluorescence

Image 1. Immunofluorescence analysis of Jurkat cells using CD3E Antigen antibody (ABIN6134272, ABIN6138181, ABIN6138184 and ABIN6216032) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded mouse spleen using CD3E antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded mouse thymus using CD3E antibody.

Please check the product details page for more images. Overall 5 images are available for ABIN6138181.

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