CD3E Antigen Polyclonal Antibody

Catalog Number: E-AB-64160



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human, Mouse, Rat

Immunogen A synthetic peptide of human CD3E Antigen (NP_000724.1).

Host Rabbit
Isotype IgG

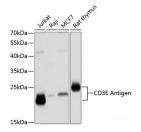
Purification Affinity purification
Conjugation Unconjugated

Formulation PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications Recommended Dilution

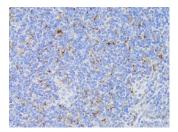
WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200

Data

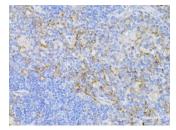


Western blot analysis of extracts of various cell lines using CD3E Antigen Polyclonal Antibody at dilution of 1:1000.

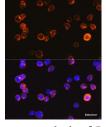
Observed Mw:23-25kDa Calculated Mw:23kDa



Immunohistochemistry of paraffin-embedded Mouse spleen using CD3E Antigen Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse thymus using CD3E Antigen Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of Jurkat cells using CD3E Antigen Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

For Research Use Only

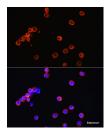
Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: <u>www.elabscience.com</u> Email: <u>techsupport@elabscience.com</u>

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Immunofluorescence analysis of RAW264.7 cells using CD3E Antigen Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Preparation & Storage

Storage

Store at -20°C. Avoid freeze / thaw cycles.

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.

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