

Datasheet for ABIN657454

**anti-CD3 epsilon antibody (C-Term)****2** Images[Go to Product page](#)

## Overview

|                      |                                            |
|----------------------|--------------------------------------------|
| Quantity:            | 400 µL                                     |
| Target:              | CD3 epsilon (CD3E)                         |
| Binding Specificity: | AA 154-182, C-Term                         |
| Reactivity:          | Human                                      |
| Host:                | Rabbit                                     |
| Clonality:           | Polyclonal                                 |
| Conjugate:           | This CD3 epsilon antibody is un-conjugated |
| Application:         | Western Blotting (WB)                      |

## Product Details

|                       |                                                                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | This CD3E antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 154-182 amino acids from the C-terminal region of human CD3E. |
| Clone:                | RB33593                                                                                                                                                              |
| Isotype:              | Ig Fraction                                                                                                                                                          |
| Predicted Reactivity: | Pr                                                                                                                                                                   |
| Purification:         | This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                     |

## Target Details

|                   |                                        |
|-------------------|----------------------------------------|
| Target:           | CD3 epsilon (CD3E)                     |
| Alternative Name: | CD3E ( <a href="#">CD3E Products</a> ) |

## Target Details

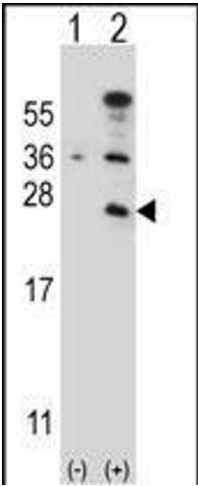
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| Molecular Weight: | 23147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene ID:          | 916                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| NCBI Accession:   | <a href="#">NP_000724</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UniProt:          | <a href="#">P07766</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Pathways:         | <a href="#">TCR Signaling</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Ubiquitin Proteasome Pathway</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Application Details

|                    |                        |
|--------------------|------------------------|
| Application Notes: | WB: 1:1000. WB: 1:1000 |
| Restrictions:      | For Research Use only  |

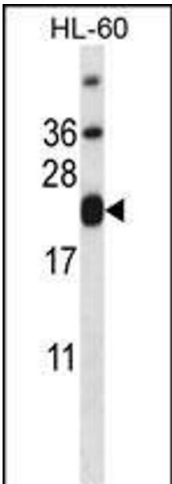
## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.                                           |
| 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:           | 4 °C, -20 °C                                                                                                           |
| Storage Comment:   | CD3E Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.   |
| Expiry Date:       | 6 months                                                                                                               |



#### Western Blotting

**Image 1.** Western blot analysis of CD3E (arrow) using rabbit polyclonal CD3E Antibody (C-term) (ABIN657454 and ABIN2846481). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CD3E gene.



#### Western Blotting

**Image 2.** CD3E Antibody (C-term) (ABIN657454 and ABIN2846481) western blot analysis in HL-60 cell line lysates (35 µg/lane). This demonstrates the CD3E antibody detected the CD3E protein (arrow).