

Datasheet for ABIN3030389

**anti-CD3 epsilon antibody (AA 154-182)****3** Images[Go to Product page](#)

## Overview

|                      |                                            |
|----------------------|--------------------------------------------|
| Quantity:            | 0.4 mL                                     |
| Target:              | CD3 epsilon (CD3E)                         |
| Binding Specificity: | AA 154-182                                 |
| Reactivity:          | Human                                      |
| Host:                | Rabbit                                     |
| Clonality:           | Polyclonal                                 |
| Conjugate:           | This CD3 epsilon antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA               |

## Product Details

|                             |                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------|
| Immunogen:                  | A portion of amino acids 154-182 from the human protein was used as the immunogen for this CD3e antibody. |
| Isotype:                    | Ig Fraction                                                                                               |
| Cross-Reactivity (Details): | Expected species reactivity: Primate                                                                      |
| Purification:               | Antigen affinity purified                                                                                 |

## Target Details

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Target:           | CD3 epsilon (CD3E)                                                                        |
| Alternative Name: | CD3e ( <a href="#">CD3E Products</a> )                                                    |
| Background:       | The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3- |

## Target Details

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.

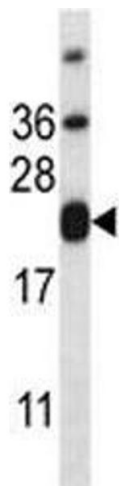
|           |                                                                                                                                |
|-----------|--------------------------------------------------------------------------------------------------------------------------------|
| UniProt:  | <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: | Titration of the CD3e antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000 |
| Restrictions:      | For Research Use only                                                                                                                      |

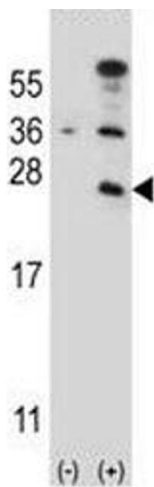
## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | In 1X PBS pH 7.4 with 0.09 % 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:           | -20 °C                                                                                                                 |
| Storage Comment:   | Aliquot the CD3e antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.                      |



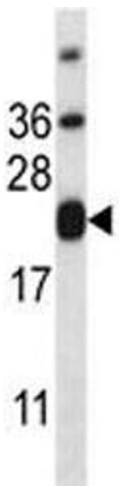
Western Blotting

**Image 1.** CD3e antibody western blot analysis in HL-60 lysate



Western Blotting

**Image 2.** Western blot analysis of CD3e antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (2) with the CD3E gene.



Western Blotting

**Image 3.** CD3e antibody western blot analysis in HL-60 lysate