

## CD3-Epsilon Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP01497
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CD3-epsilon. AA range:22-71
<b>Mol wt</b>	23147
<b>Species reactivity</b>	Human
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	CD3-epsilon Antibody
<b>Synonyms</b>	CD3E; T3E; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD antigen CD3e

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

The protein encoded by CD3E (CD3e molecule) 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 CD3E cause immunodeficiency. CD3E has also been linked to a susceptibility to type I diabetes in women.

### Recommended Dilution

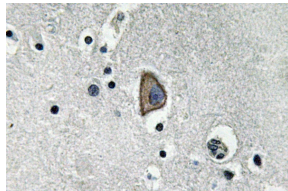
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

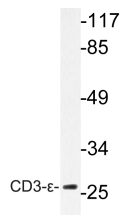
ELISA: 1: 5000

Not yet tested in other applications.

### Images



Immunohistochemistry analysis of CD3-ε antibody in paraffin-embedded human brain tissue.



Western blot analysis of lysate from K562 cells, using CD3-ε antibody.

## Storage

-20°C for one year

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