

CD3 epsilon Polyclonal antibody

Catalog Number: 31889-1-AP

Basic Information

Catalog Number:

31889-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NP_001101610.2

GeneID (NCBI):

315609

Full Name:

CD3 molecule, epsilon polypeptide

Calculated MW:

22kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

rat

Positive Controls:

WB : rat thymus tissue,

Background Information

CD3 is a multimeric protein associated with the T-cell receptor (TCR) to form a complex involved in antigen recognition and signal transduction (PMID: 15885124). CD3 is composed of CD3 γ , δ , ϵ , and ζ chains (PMID: 1826255). It is expressed by thymocytes in a developmentally regulated manner, T cells, and some NK cells (PMID: 3289580). The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCR-mediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction (PMID: 11985657). This polyclonal antibody was raised against the epsilon chain of rat CD3 molecule.

Storage

Storage:

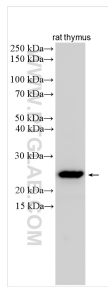
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Rat thymus tissue was subjected to SDS PAGE followed by western blot with 31889-1-AP (CD3 epsilon/CD3e antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.