

For Research Use Only

CD3 epsilon Polyclonal antibody

Catalog Number: 31889-1-AP



Basic Information

Catalog Number:

31889-1-AP

Size:

150ul , Concentration: 350 ug/ml by Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

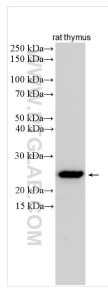
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.