

Anti-CD3 epsilon Antibody

ER80501



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB
Molecular Wt:	Predicted band size: 23 kDa

Description: CD3 is composed of five invariant polypeptide chains that associate to form three dimers. The five invariant chains of CD3 are labeled gamma, delta, epsilon, zeta, and eta. Each of these polypeptides contains at least one immunoreceptor tyrosine-based activation motif (ITAM) These chains associate with the T cell receptor (TCR) and the ζ -chain to generate an activation signal in T lymphocytes.

Immunogen: Synthetic peptide within C-terminal human CD3 epsilon.

Positive control: Jurkat cell lysate, Mouse spleen tissue lysate, Mouse thymus tissue lysate, Rat thymus tissue lysate.

Subcellular location: Membrane.

Database links: SwissProt: P07766 Human | P22646 Mouse
Entrez Gene: 315609 Rat

Recommended Dilutions:
WB 1:1,000

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.

Purity: Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

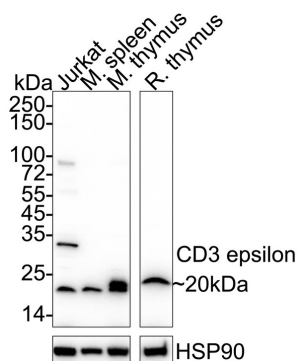


Fig1: Western blot analysis of CD3 epsilon on different lysates with Rabbit anti-CD3 epsilon antibody (ER80501) at 1/1,000 dilution.

Lane 1: Jurkat cell lysate (20 µg/Lane)

Lane 2: Mouse spleen tissue lysate (40 µg/Lane)

Lane 3: Mouse thymus tissue lysate (40 µg/Lane)

Lane 4: Rat thymus tissue lysate (40 µg/Lane)

Predicted band size: 23 kDa

Observed band size: 20 kDa

Exposure time: 10 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (ER80501) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Weiss A. Signal transduction. Zapping tandem SH2 domains. Nature 377: 17-18 (1995).
2. Neumeister E N et al. Binding of ZAP-70 to phosphorylated T-cell receptor ζ and ϵ enhances its autophosphorylation and generates specific binding sites for SH2 domain-containing proteins. Mol Cell Biol 15:3171-3178 (1995).

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