

CD3-ε (D71) polyclonal antibody

Catalog: BS3476

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

When T cells encounter antigens via the T cell receptor (TCR), information about the quantity and quality of antigens is relayed to the intracellular signal transduction machinery. This activation process depends mainly on CD3 (Cluster of Differentiation 3), a multiunit protein complex that directly associates with the TCR. CD3 is composed of four polypeptides: ζ, γ, ε and δ. Each of these polypeptides contains at least one immunoreceptor tyrosine-based activation motif (ITAM). Engagement of TCR complex with foreign antigens induces tyrosine phosphorylation in the ITAM motifs and phosphorylated ITAMs function as docking sites for signaling molecules such as ZAP-70 and p85 subunit of PI-3 kinase. TCR ligation also induces a conformational change in CD3ε, such that a proline-region is exposed and then associates with the adapter protein Nck.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 21 kDa

Swiss-Prot:

P07766

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

CD3-ε (D71) polyclonal antibody detects endogenous levels of CD3-ε protein.

DATA:



Western blot (WB) analysis of CD3-ε (D71) polyclonal antibody at 1:500 dilution

Lane1: HEK293T cell lysate

Lane2: Mouse liver tissue lysate

Lane3: Rat liver tissue lysate



Immunohistochemistry (IHC) analyzes of CD3-ε (D71) pAb in paraffin-embedded human brain tissue.

Note:

For research use only, not for use in diagnostic procedure.

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