

CD4 Antibody

Product Type: Rabbit Polyclonal IgG, primary antibodies

Catalog Number: E80108-6

Amount: 100ul 0.5mg/ml

Positive control: Mouse Brain

Molecular Wt.: 55kDa

Cellular Localization: Cell Membrane

Form of Antibody: Liquid

Storage Buffer: 1*TBS (pH7.4), 0.5%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.

Description: The CD4 gene encodes the T4 antigen, a glycoprotein of approximately 55 kDa, expressed

on the surface of helper T lymphocytes.CD4 antigens are members of the immunoglobulin supergene family and are implicated as associative recognition elements in major histocompatibility complex class II-restricted immune responses. On T-lymphocytes they define the helper/inducer subset. CD4 antigens also serve as interleukin-15 receptors and

bind to the HIV receptors, binding directly to the HIV envelope protein GP120.

Storage/Stability: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

Recommended Dilutions: WB: 1:500

Purity: Affinity purified

Specificity/Sensitivity: This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled)

corresponding to the residues of mouse CD4 antigen.

Reactivity: Mouse,Rat **Applications:** WB,ICC

Swiss-Prot No.: SwissProt P06332 (mouse)

References: 1. Parnes J.R., Hunkapiller T.; "L3T4 and the immunoglobulin gene superfamily: new

relationships between the immune system and the nervous system."; Immunol. Rev.

100:109-127(1987).

2. <u>Gorman S.D., Tourvieille B., Parnes J.R.;</u> "Structure of the mouse gene encoding CD4

and an unusual transcript in brain."; Proc. Natl. Acad. Sci. U.S.A. 84:7644-7648(1987).

3. Rudd CE.CD4, CD8and the TCR-CD3complex:a novel class of pro⁻tein-tyrosine kinase receptor.Immunol Today, 1990, 11 (11) :400-406.

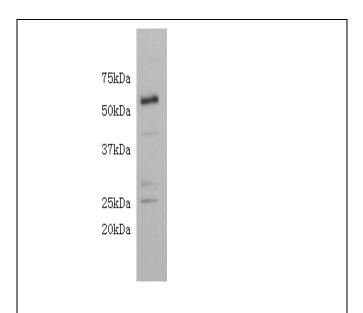


Fig: Western blot analysis on mouse brain using anti-CD4 polyclonal antibody.