

Rabbit CD4 Polyclonal Antibody | anti-CD4 antibody

CD4 Rabbit pab Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36741	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunocytochemistry, Western Blot

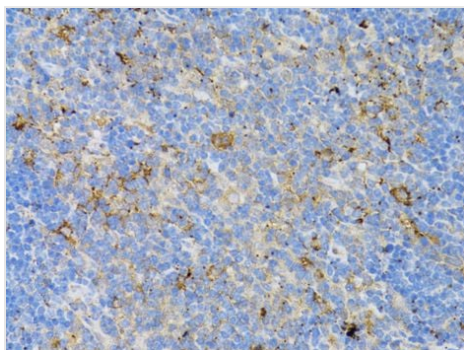
PRODUCT SYNONYMS

CD4; Polyclonal Antibody; CD4 Rabbit pab Antibody; CD4 ; CD4mut ;; anti-CD4 antibody

PRODUCT SPECIFICATIONS

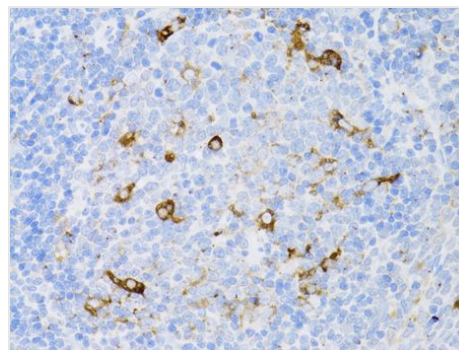
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence Length	458
Applicable Applications for anti-CD4 antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic -peptide of human CD4
Preparation and Storage	Upon delivery aliquot and store at -20 degree C or -80 degree C.

IMAGES



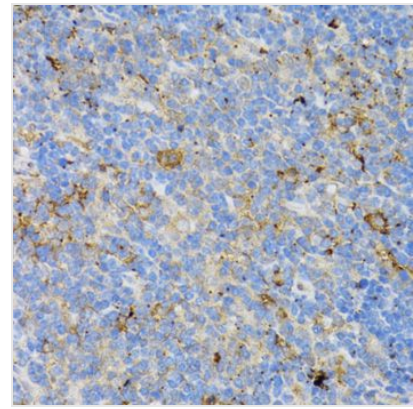
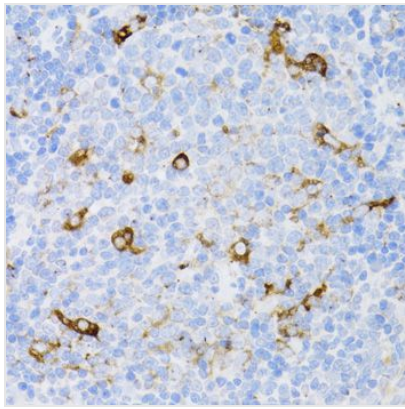
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse thymus using CD4 antibody at dilution of 1:50 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat spleen using CD4 antibody at dilution of 1:50 (40x lens).

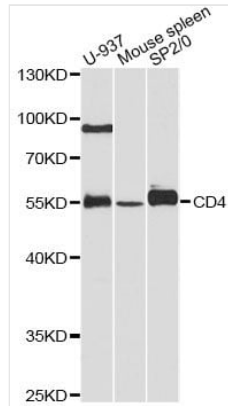


IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded rat spleen using CD4 antibody at dilution of 1:100 (40x lens).

IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded mouse thymus using CD4 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CD4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-CD4 antibody	Rabbit polyclonal to CD4 Cluster of Differentiation 4 (CD4) is a glycoprotein composed of an amino-terminal extracellular domain (four domains: D1-D4 with Ig-like structures), a transmembrane part and a short cytoplasmic tail. CD4 is expressed on the surface of T helper cells, regulatory T cells, monocytes, macrophages and dendritic cells, and plays an important role in the development and activation of T cells. On T cells, CD4 is the co-receptor for the T cell receptor (TCR), and these two distinct structures recognize the Antigen-Major Histocompatibility Complex (MHC). Specifically, the D1 domain of CD4 interacts with the beta2-domain of the MHC class II molecule. CD4 ensures specificity of the TCR-antigen interaction, prolongs the contact between the T cell and the antigen presenting cell and recruits the tyrosine kinase Lck, which is essential for T cell activation (1).
References	1. Zamoyska, R. (1994) Immunity 1, 243-246.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835167
NCBI GeneID	920
NCBI Accession #	NP_000607.1
NCBI GenBank Nucleotide #	NM_000616.4
UniProt Accession #	P01730; Q4ZGK2; Q5U066; Q9UDE5; B2R737; D3DUS5

Molecular Weight	458
NCBI Official Full Name	T-cell surface glycoprotein CD4 isoform 1
NCBI Official Synonym Full Names	CD4 molecule
NCBI Official Symbol	CD4
NCBI Official Synonym Symbols	CD4mut
NCBI Protein Information	T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3
UniProt Protein Name	T-cell surface glycoprotein CD4
UniProt Gene Name	CD4
UniProt Entry Name	CD4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd4-antibody-flow-cytometry-immunocytochemistry-western-blot-elisa/36741>