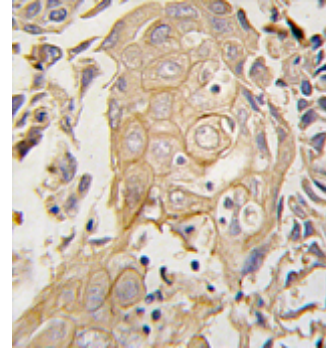


AP11516PU-N**Polyclonal Antibody to CD4 (N-term) - Purified**

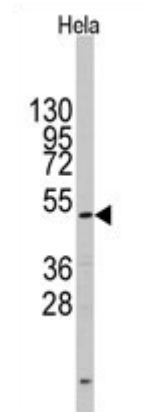
Alternate names:	T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4
Quantity:	0.4 ml
Concentration:	lot specific
Background:	CD4 is a single chain transmembraneous glycoprotein (59 kDa) which belongs to the immunoglobulin superfamily. CD4 is present on a subset of T lymphocytes (helper/inducer T cells) and is also expressed at a lower level on monocytes, tissue macrophages and granulocytes. The antigen is involved in binding to MHC class II molecules. The intracellular domain of the antigen is associated with p56lck protein tyrosine kinase.
Uniprot ID:	P01730
NCBI:	9606
GeneID:	920
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human CD4.
Format:	State: Liquid Ig fraction Purification: Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. Then the antibody is purified by peptide affinity purification. Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	Western blot 1:50 - 1:100. Immunohistochemistry 1:10 - 1:50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects CD4 at N-term. Species: Human. Other species not tested.
Add. Information:	Molecular weight: 51111 Da
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Garron, M.L., J. Mol. Biol. 375 (5), 1320-1328 (2008). 2. Rychert, J., J. Acquir. Immune Defic. Syndr. 46 (3), 261-267 (2007).

Pictures:

Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with CD4 antibody (N-term) (AP11516PU-N), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western blot analysis of CD4 Antibody (N-term) in HeLa cell line lysates (35 µg/lane). CD4 (arrow) was detected using the purified Pab (1:60 dilution).



Western blot analysis of CD4 (arrow) using rabbit polyclonal CD4 Antibody (N-term) (AP11516PU-N). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the CD4 gene (Lane 2) (Origene Technologies).

