

PAB167Mu01**Polyclonal Antibody to Cluster Of Differentiation 4 (CD4)****Organism Species: *Mus musculus* (Mouse)*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]**Immunogen:** CD4, Mouse**Clonality:** Polyclonal**Host:** Rabbit**Immunoglobulin Type:** IgG**Purification:** Affinity Chromatography.**Applications:** WB, ICC, IHC-P, IHC-F, ELISA**Concentration:** 200µg/mL**UOM:** 100µg**[IMMUNOGEN INFORMATION]****Immunogen:** Recombinant CD4 (Lys27~Thr394) expressed in *E.coli*.**USCN Accession No.:** RPB167Mu01**Sequence:** The target protein is fused with two N-terminal Tags, His-tag and S-tag and its sequence is listed below.

MHHHHHHSSG LVPRGSGMKE TAAAKFERQH MDSPDLGTDD DDKAMADIGS EF- KTLV
LGKEGESAE L PCESSQKKIT VFTWKFS DQR KILGQHGKGV LIRGGSPSQF DRFDSKKGAW
EKGSFPLIIN KLKMEDSQTY ICELENRKEE VELWVFKVTF SPGTSLLQGQ SLTLTLDNSN
KVSNPLTECK HKKGKVVSGS KVLMSNLRV QDSDFWNCTV TLDQKKNWFG
MTLSVLGFQS TAITAYKSEG ESAEFSFPLN FAEENGWGEL MWKAEKDSFF QPWISFSIKN
KEVSVQKSTK DLKLQKQKSTK PLTLKIPQVS LQFAGSGNLT LTLDKGTLHQ EVNLVVMKVA
QLNNTLTCEV MGPTSPKMRL TLKQENQEAR VSEEQKVVQV VAPETGLWQC
LLSEGDKVKM DSRIQVLSRG VNQT

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against CD4. It has been selected for its ability to recognize CD4 in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:50-400

Immunocytochemistry in formalin fixed cells: 1:50-500

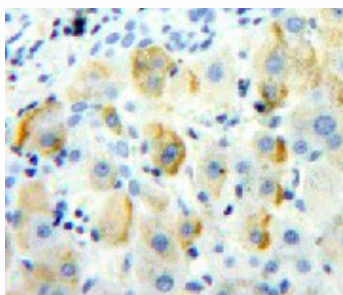
Immunohistochemistry in formalin fixed frozen section: 1:50-500

Immunohistochemistry in paraffin section: 1:10-100

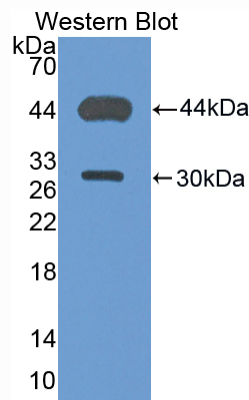
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[IMAGES]



Used in DAB staining on formalin fixed
paraffin-embedded Liver tissue



Used in Western Blot ,Sample:
Recombinant CD4,Mouse

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant CD4 (Lys27~Thr394) disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN₃ 0.02%.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.