

PAB340Mi01**Polyclonal Antibody to Actin Beta (ACTb)****Organism Species: Multi-species*****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: ACTb**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 ACTb (Met1~Phe375) expressed in *E.coli*.**Accession No.:** RPB340Mi01**Sequence:** The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHHSGSEF-MDDDIAALVV DNGSGMCKAG FAGDDAPRAV FPSIVGRPRH
QGVMVGMGQK DSYVGDEAQS KRGILTLKYP IEHGIVTNWD DMEKIWHHTF YNELRVAPEE
HPVLLTEAPL NPKANREKMT QIMFETFNTP AMYVAIQAVL SLYASGRTTG IVMDSGDGV
HTVPIYEGYA LPHAILRLDL AGRDLTDYLM KILTERGYSF TTTAEREIVR DIKEKLCYVA
LDFEQEMATA ASSSSLEKSY ELPDGQVITI GNERFRCP EA LFQPSFLGME SCGIHETTFN
SIMKCDVDIR KDLYANTVLS GGTTMYPGIA DRMQKEITAL APSTMKIKII APPERKYSVW
IGGSILASLS TFQQMWISKQ EYDESGPSIV HRKCF

[ANTIBODY SPECIFICITY]

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

Note: Full length human ACTb is identical in sequence to mouse, rat, cavia, ovine, canine, porcine, equine, gallus and bovine. 100% cross-reactivity of ACTb was observed among human, mouse, rat, cavia, ovine, canine, porcine, equine, gallus,

and bovine.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

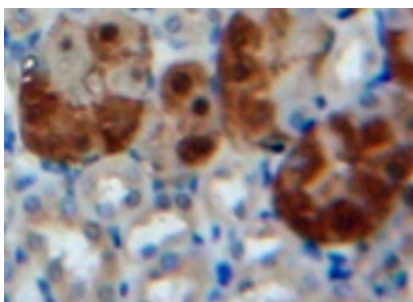
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

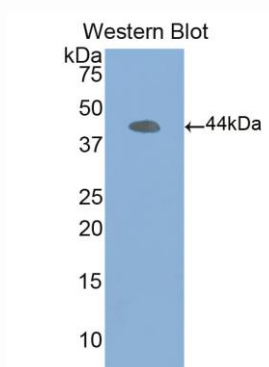
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[IMAGES]



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



Used in Western Blot, Sample:
Recombinant ACTb

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN_3 , 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant ACTb (Met1~Phe375) 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%, NaN_3 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.