

PAD546Ra01

Polyclonal Antibody to Cytochrome P450 11B1 (CYP11B1)**Organism Species: Rattus norvegicus (Rat)*****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: CYP11B1, Rat**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 CYP11B1 (Met1~Val498) expressed in *E.coli*.**Accession No.:** RPD546Ra01**Sequence:** The target protein is fused with two N-terminal Tags, His-tag and T7-tag and its sequence is listed below.

MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEF- MALRVTADVW LARPWQCLHR
TRALGTTAKV APKTLKPF EA IPQYSRNKWL KMIQILREQG QENLHLEMHQ AFQELGPFR
HSAGGAQIVS VMLPEDAEKL HQVESILPHR MPLEPVVAHR ELRGLRRGVF
LLNGADWRFN RLQLNPNMLS PKAIQSFVPF VDVARDFVE NLKKRMLNEN HGSMISINIQS
NMFNYTMEAS HFVISGERLG LTGHDLKPES VTFTHALHSM FKSTTQLMFL PKSLTRWTST
RVWKEHFDSW DIISEYVTKC IKNVYRELAE GRQQSWSVIS EMVAQSTLSM DAIHANSMEL
IAGSVDTTAL SLVMTLFELA RNPVQQLALR QESLAAEASI VANPQKAMSD LPLLRAALKE
TLRLYPVGSF VERIVHSDLV LQNYHVPAGT FVIIYLYSMG RNPVAFPRPE RYMPQRWLER
KRSFQHLAFG FGVRQCLGRR LAEVEMLLLL HHMLKTFQVE TLRQEDMQMV
FRFLLMPSSS PFLTRFPV

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against CYP11B1. It has been selected for its ability to recognize CYP11B1 in immunohistochemical staining and

western blotting.

[APPLICATIONS]

Western blotting: 1:50-400

Immunocytochemistry in formalin fixed cells: 1:50-500

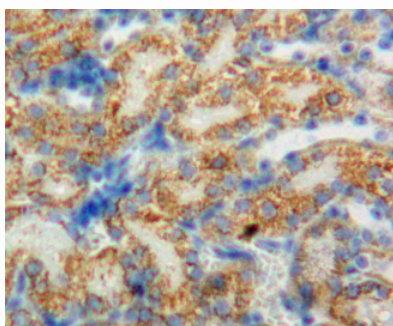
Immunohistochemistry in formalin fixed frozen section: 1:50-500

Immunohistochemistry in paraffin section: 1:10-100

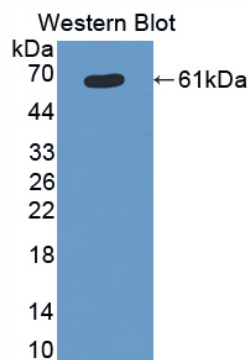
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[IMAGES]



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



Used in Western Blot, Sample: Recombinant CYP11B1, Rat

[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 CYP11B1 (Met1~Val498) 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.