

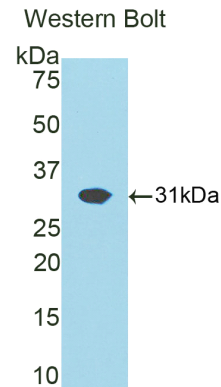
**A96371Mu01**  
**Polyclonal Antibody**  
**To ATPase, Na<sup>+</sup>/K<sup>+</sup> Transporting Beta 1 Polypeptide (ATP1b1)**  
**Organism: Mus musculus (Mouse)**  
*Instruction manual*

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

6th Edition (Revised in March, 2013)

## [ **PRODUCT INFORMATION** ]

**Immunogen:** ATP1b1, Mouse  
**Clonality:** Polyclonal  
**Host:** Rabbit  
**Immunoglobulin Type:** IgG  
**Purification:** Affinity Chromatography.  
**Applications:** WB, ICC, IHC-P, IHC-F  
**Concentration:** 200µg/mL  
**UOM:** 100µg



*Sample: Recombinant ATP1b1, Mouse*

## [ **IMMUNOGEN INFORMATION** ]

**Immunogen:** Recombinant ATP1b1 (Thr53~Ser304) expressed in *E. coli*.  
**USCN Accession No.:** P96371Mu01  
**Sequence:** The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHSGSEF- TIQVMLLT ISELKPTYQD RVAPPGLTQI PQIQKTEISF RPNDPKSYEA  
YVLNIIRFLE KYKDSAQKDD MIFEDCGNVP SEPKERGDIN HERGERKVCR FKLDWLGNS  
GLNDDSYGYR EGKPCIIIKL NRVLGFKPKP PKNESLETYP LMMKYNPNVL PVQCTGKRDE  
DKDKVGNIEY FGMGGYYGFP LQYYPYGGKL LQPKYLQPLL AVQFTNLTV D TEIRVECKAY  
GENIGYSEKD RFQGRFDVKI EIKS

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## [ ANTIBODY SPECIFICITY ]

The antibody is a rabbit polyclonal antibody raised against ATP1b1. It has been selected for its ability to recognize ATP1b1 in immunohistochemical staining and western blotting.

## [ 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

Optimal working dilutions must be determined by end user.

## [ CONTENTS ]

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

## [ QUALITY CONTROL ]

**Content:** The quality control contains recombinant ATP1b1 (Thr53~Ser304) 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<sub>3</sub> 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.

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