

PAC010Mu01**Polyclonal Antibody to Protein Z Dependent Protease Inhibitor (ZPI)****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:** ZPI, 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 ZPI (Phe22~Leu448) expressed in *E.coli*.**Accession No.:** RPC010Mu01**Sequence:** The target protein is fused with two N-terminal Tags, His-tag and GST-tag and its sequence is listed below.

MSPILGYWKI KGLVQPTRL LLEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID
GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV
DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK
KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD GSTSGSGHHH HHHSAGLVPR
GSTAIGMKET AAKFERQHM DSPDLGTGGG SGIEGRGSMG YRGSEF-FNLSSHSP
ASVHLESQDY ENQTWEEYTR TDPREEEEEEE EEKEEGKDEE YWLRASQQLS
NETSSFGFNL LRKISMRHDG NVIFSPFGLS VAMVNLMLGT KGETKVQIEN GLNLQALSQA
GPLILPALFK KVKETFSSNR DLGLSQGSFA FHKDFDIKE TYFNLSKKYF DIEVVSINFQ
NSSQARGLIN HCIVKETEGK IPKLFDEINP ETKLILVDYV LFKGKWLTPE DPSFTEADTF
HLDKYRAIKV PMMYREGNFT STFDKKFRCH ILKLPYQGNA TMLVVLMEKT GDYLALEDYL
TVDLVETWLQ NMKTRKMEVF FPKFKLNQRY EMHELLKQMG IRRLFSTSAD LSELSAMARN
LQVSRVLQQS VLEVDERGTE AVSGTLSEII AYSMPPAIKV NRPFHFIIYE EMSRMLLFLG
RVVNPTVL

[ANTIBODY SPECIFICITY]

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

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

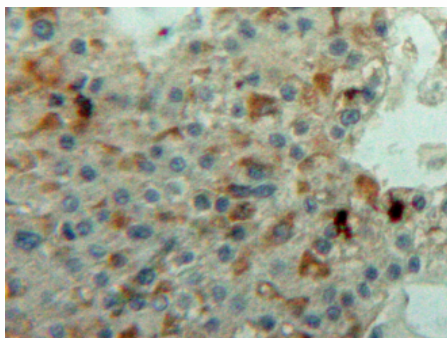
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

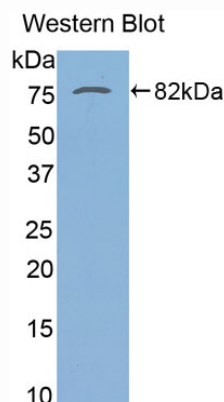
Enzyme-linked Immunosorbent Assay: 1:100-200

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 ZPI, 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 ZPI (Phe22~Leu448) 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.