

PAB081Mu01**Polyclonal Antibody to Heat Shock 70kDa Protein 1A (HSPA1A)****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:** HSPA1A, 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 HSPA1A (Met1~Asp641) expressed in *E.coli*.**USCN Accession No.:** RPB081Mu01**Sequence:** The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHHSSEF-MAKNTAIGID LGTTYSCVGV FQH GKVEIIA NDQGNRTTPS
YVAFTDTERL IGDAAKNQVA LNPQNTVFDA KRLIGRKFQGD AVVQSDMKHW
PFQVVNDGDK PKVQVNYKGE SRSFFPEEIS SMVLTKMKEI AEAYLGHPVT NAVITVPAYF
NDSQRQATKD AGVIAGLNVL RIINEPTAAA IAYGLDRTGK GERNVLIFDL GGGTFDVSIL
TIDDGIFEVK ATAGDTHLGG EDFDNRLVSH FVEEFKRKHK KDISQNKRAV RRLRTACERA
KRTLSSSTQA SLEIDSLFEG IDFYTSITRA RFEELCSDFL RGTLEPVEKA LRDAKMDKAQ
IHDLVLVGGG TRIPKVQKLL QDFFNGRDLN KSINPDEAVA YGAAVQAAIL MGDKSENVQD
LLLLDVAPLS LGLETAGGVM TALIKRNSTI PTKQTQFTTT YSDNQPGVLI QVYEGERAMT
RDNNLLGRFE LSGIPPAPRG VPQIEVTFDI DANGILNVTA TDKSTGKANK ITITNDKGR L
SKEEIERMVQ EAERYKAEDE VQRDRVAAKN ALESYAFNMK SAVEDEGLKG KLSEADKKKV
LDKCQEVISW LDSNTLADKE EFVHKREELE RVCSPHISGL YQGAGAPGAG GFQAQAPKGA
SGSGPTIEEV D

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against HSPA1A. It has been

selected for its ability to recognize HSPA1A in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

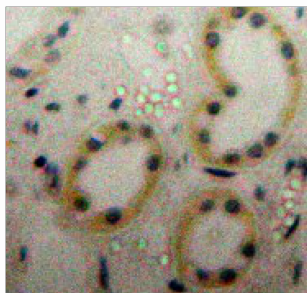
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

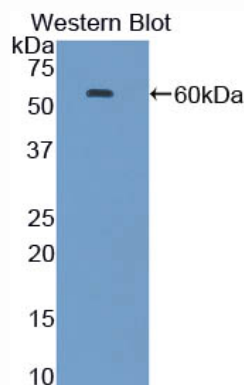
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[IMAGES]



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



Used in Western Blot, Sample:
Recombinant HSPA1A, Mouse

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH 7.4, containing 0.02% NaN₃, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant HSPA1A (Met1~Asp641) 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 (pH 8.8), 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.