

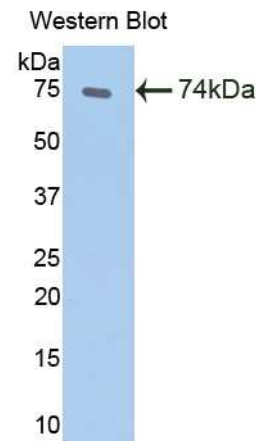
**A91081Ra01**  
**Polyclonal Antibody to Heat Shock 70kDa Protein 1A (HSPA1A)**  
*Instruction manual*

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

5th Edition (Revised in January, 2013)

**[ PRODUCT INFORMATION ]**

**Immunogen:** HSPA1A  
**Clonality:** Polyclonal  
**Host:** Rabbit  
**Species Reactivity:** Rat  
**Ig type:** Rabbit IgG  
**Purification:** Antibodies are purified by target protein affinity chromatography.  
**Applications:** WB, ICC, IHC-P, IHC-F  
**Form:** Liquid  
**Size:** 100µg



*Sample: Recombinant rat HSPA1A*

**[ IMMUNOGEN INFORMATION ]**

**Immunogen:** Recombinant rat HSPA1A (Met1~Asp641) expressed in *E. coli*.  
**Molecular Weight:** 71.7kDa  
**USCN accession No.:** P91081Ra01  
**Sequence:** The target protein is fused with N-terminal His-Tag and its sequence is listed below.  
 MGHHHHHHSGSEF-MAKKTAIGID LGTTYSCVGV FQHGKVEIIA NDQGNRTTPS  
 YVAFTDTERL IGDAAKNQVA LNPQNTVFDA KRLIGRKFGD PVVQSDMKHW PFQVVNDGDK  
 PKVQVNYKGE NRSFYPEEIS SMVLTKMKEI AEAYLGHPVT NAVITVPAYF NDSQRQATKD  
 AGVIAGLNLV RIINEPTAAA IAYGLDRTGK GERNVLIFDL GGGTFDVSIL TIDDGIFEVK

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ATAGDTHLGG EDFDNRLVSH FVEEFKRKHK KDISQNKRAV RRLRTACERA KRTLSSSTQA  
SLEIDSLFEG IDFYTSITRA RFEELCSDLF RTLEPVEKA LRDAKLDKAQ IHDLVLVGGG  
TRIPKVQKLL QDFFNGRDLN KSINPDEAVA YGAAVQAAIL MGDKSENVQD LLLLDVAPLS  
LGLETAGGVM TALIKRNSTI PTKQTQFTTT YSDNQPGVLI QVYEGERAMT RDNNLLGRFE  
LSGIPPAPRG VPQIEVTFDI DANGILNVTA TDKSTGKANK ITITNDKGRL SKEEIERMVQ  
EAERYKAEDE VQRERVAANK ALESYAFNMK SAVEDEGLKG KISEADKKKV LDKCQEVISW  
LDSNTLAEKE EFBVKREELE RVCNPIISGL YQGAGAPGAG GFGAQAPKGG SGSPTIEEV  
D

### [ ANTIBODY SPECIFICITY ]

Anti HSPA1A is a rabbit polyclonal antibody raised against rat HSPA1A. This antibody has been selected for its ability to recognize rat HSPA1A in immunohistochemical staining and western blotting, non cross-reactive with other members of the family.

### [ 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, pH 7.4, containing 0.02%Na<sub>3</sub>N, 50% glycerol.

### [ QUALITY CONTROL ]

**Content:** The quality control contains recombinant rat 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%, Na<sub>3</sub>N 0.02%.

### [ STORAGE ]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer

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for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

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