

**MAD060Ra21**

**Monoclonal Antibody to Heat Shock 70kDa Protein 2 (HSPA2)**

**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:** HSPA2, Rat

**Clonality:** Monoclonal

**Host:** Mouse

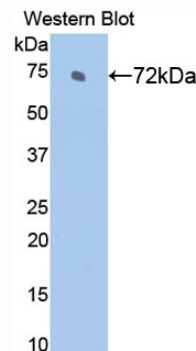
**Immunoglobulin Type:** IgG

**Purification:** Affinity Chromatography.

**Applications:** WB, ICC, IHC-P, IHC-F, ELISA

**Concentration:** 500µg/mL

**UOM:** 200µg



*Sample: Recombinant HSPA2, Rat*

## **[ IMMUNOGEN INFORMATION ]**

**Immunogen:** Recombinant HSPA2 (Met1~Asp633) expressed in *E.coli*.

**USCN Accession No.:** RPD060Ra01

**Sequence:** The target protein is fused with N-terminal His-Tag and its sequence is listed below.

MGHHHHHHSGSEF-MSARGPAIGI DLGTTYSCVG VFQHGKVEII ANDQGNRTTP  
SYVAFTDTER LIGDAAKNQV AMNPTNTIFD AKRLIGRKF E DATVQSDMKH WPFRVSEGG  
KPKVQVEYKG EMKTFPEEI SSMVLTKMKE IAEAYLGGKV QSAVITVPAY FNDSQRQATK  
DAGTITGLNV LRIINEPTAA AIAYGLDKKG CAGGEKNVLI FDLGGGTFDV SILTIEDGIF  
EVKSTAGDTH LGGEDFDNRM VSHLAEFEFKR KHKKDIGPNK RAVRRLRTAC ERAKRTLSS  
TQASIEIDSL YEGVDFYTSI TRARFEELNA DLFRTGLEPV EKALRDAKLD KGQIQEIVLV  
GGSTRIPKIQ KLLQDFFNKELNKSINPDE AVAYGAAVQA AILIGDKSEN VQDLLLLDVT  
PLSLGIETAG GVMTPLIKRN TTIPTKQTQT FTTYSDNQSS VLVQVYEGER AMTKDNNLLG  
KFDLTGIPPA PRGVPQIEVT FDIDANGILN VTAADKSTGK ENKITITNDK GRLSKDDIDR

MVQEAERYKS EDEANRDRVA AKNAVESYTY NIKQTVEDEK LRGKISEQDK NKILDKCQEV  
INWLDRNQMA EKDEYEHKQK ELERVCNPII SKLYQGGPGG GGSSGGPTIE EVD

## **[ ANTIBODY SPECIFICITY ]**

The antibody is a mouse monoclonal antibody raised against HSPA2. It has been selected for its ability to recognize HSPA2 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.

## **[ CONTENTS ]**

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

## **[ 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.