

**PAA430Ra01**

**Polyclonal Antibody to Sirtuin 2 (SIRT2)**

**Organism Species: Rattus norvegicus (Rat)**

**Instruction manual**

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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9th Edition (Revised in Jul, 2013)

## **[ PRODUCT INFORMATION ]**

**Immunogen:** SIRT2, Rat

**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 SIRT2 (Glu28~Leu303) expressed in *E.coli*.

**Accession No.:** RPA430Ra01

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

MGHHHHHSG SEF-EGV TRYMQSERCR RVICLVGAGI STSAGIPDFR SPSTGLYANL  
EKYHLPYPEA IFEISYFKKH PEPFFALAKE LYPGQFKPTI CHYFIRLLKE KGLLLRCYTQ  
NIDTLERVAG LEPQDLVEAH GTFYTSHCVN TSCGKEYTMS WMKEKIFSEA TPKCEKCQNV  
VKPDIVFFGE NLPPRFFSCM QSDFSKVDLL IIMGTSLQVQ PFASLISKAP LATPRLINK  
EKTGQTD PFL GMMMGLGGGM DFDSKKAYRD VAWLGD CDQG CLALADLLGW KEL

## **[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against SIRT2. It has been selected for its ability to recognize SIRT2 in immunohistochemical staining and western blotting.

## **[ APPLICATIONS ]**

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

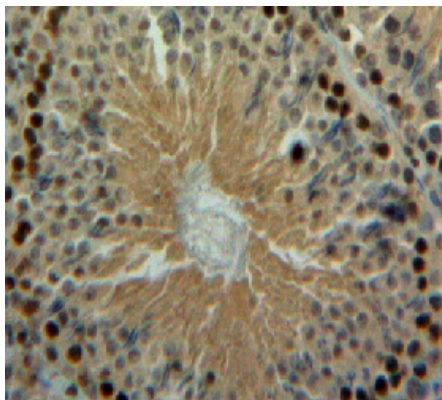
Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

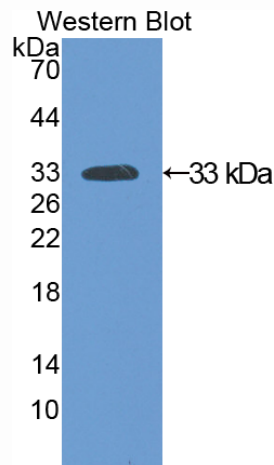
Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

## [ IMAGES ]



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



Used in Western Blot ,Sample:  
Recombinant SIRT2,Rat

## [ CONTENTS ]

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02%  $\text{NaN}_3$ , 50% glycerol.

## [ QUALITY CONTROL ]

**Content:** The quality control contains recombinant SIRT2 (Glu28~Leu303) 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%,  $\text{NaN}_3$  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.