

**PAC684Ra01****Polyclonal Antibody to 2',5'-Oligoadenylate Synthetase 1 (OAS1)****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:** OAS1, 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 OAS1 (Ala139~Leu358) expressed in *E.coli*.**Accession No.:** RPC684Ra01**Sequence:** The target protein is fused with two N-terminal Tags, His-tag and T7-tag and its sequence is listed below.

MGSSHHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEF- AP HLQQEVEFDV  
LPAYDVLGHV SLYSNPDPKI YTILISECIS LGKDGEFSTC FTELQRNFLK QRPTKLKSLI  
RLVKHWYQLC KEKLGKPLPP QYALELLTVY AWERGNNGITE FNTAQGFRTI LELVTKYQQL  
RIYWTKYYDF QHPDVSKYLH RQLRKSRPVI LDPADPTGNV AGGNQEGWRR  
LASEARLWLQ YPCFMNRGGS PVSSWEVPVD EAWSCILL

**[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against OAS1. It has been selected for its ability to recognize OAS1 in immunohistochemical staining and western blotting.

## [ APPLICATIONS ]

Western blotting: 1:50-400

Immunocytochemistry in formalin fixed cells: 1:50-500

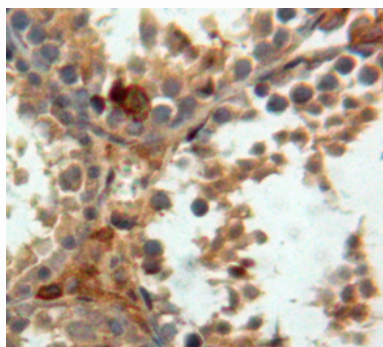
Immunohistochemistry in formalin fixed frozen section: 1:50-500

Immunohistochemistry in paraffin section: 1:10-100

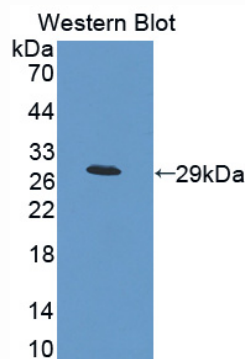
Enzyme-linked Immunosorbent Assay: 1:100-200

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 OAS1, 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 OAS1 (Ala139~Leu358) 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.