**PAC546Mu81**
**FITC-linked Antibody to Insulin Receptor Substrate 1 (IRS1)**
**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:** IRS1, Mouse

**Clonality:** Polyclonal

**Conjugation:** FITC

**Host:** Rabbit

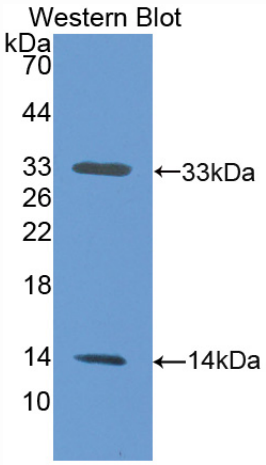
**Immunoglobulin Type:** IgG

**Purification:** Affinity Chromatography.

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

**Concentration:** 200μg/mL

**UOM:** 100μg




*Sample: Recombinant IRS1, Mouse*

## [ IMMUNOGEN INFORMATION ]

**Immunogen:** Recombinant IRS1 (Pro837~Gln1089) expressed in *E.coli*.
**Accession No.:** RPC546Mu01
**Sequence:** The target protein is fused with two N-terminal Tags, His-tag and T7-tag and its sequence is listed below.
MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEFELRR QAC- PRKV DTAAQTNSRL ARPTRLSLGD PKASTLPRVR EQQQQQQSSL HPPEPKSPGE YVNIEFGSGQ PGYLAGPATS RSSPSVRCPP QLHPAPREET GSEEYMNMDL GPGRRATWQE SGGVELGRIG PAPPGSATVC RPTRSVPNSR GDYMTMQIGC PRQSYVDTSP VAPVSYADMR TGIAAEKASL PRPTGAAPPP SSTASSSASV TPQGATAEQA THSSLLGGPQ GPGGMSAFTR VNLSPNHNQS AKVIRADTQ

## [ ANTIBODY SPECIFITY ]

The antibody is a rabbit polyclonal antibody raised against IRS1. It has been selected for its ability to recognize IRS1 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% $NaN_3$, 50% glycerol.

## [ STORAGE ]

Store at 4ºC for frequent use. Stored at -20ºC to -80ºC in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.