

Anti-IRS-2 Polyclonal Antibody 3

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Dog,Cow,Horse)
Molecular Weight:	Theoretical: 146 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (rat pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (IRS-2) Polyclonal Antibody, Unconjugated (TMAB-07813) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (rat skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (IRS-2) Polyclonal Antibody, Unconjugated (TMAB-07813) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.
3. Blank control (black line): HepG2 (black) (The cells were fixed with 2% paraformaldehyde (10 min), then permeabilized with PBST for 30 min on room temperature)

Verified Activity:

- Primary Antibody (Red line): Rabbit Anti-IRS-2 antibody (TMAB-07813);
 Dilution: 1 µg /10⁶ cells;
 Isotype Control Antibody (green line): Rabbit IgG.
 Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC;Dilution: 1 µg /test.
4. Blank control (Black line): Raji (Black).
 Primary Antibody (red line): Rabbit Anti-IR-2 (TMAB-07813)
 Dilution: 1 µg /10⁶ cells;
 Isotype Control Antibody (green line): Rabbit IgG.
 Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE
 Dilution: 1 µg /test.

Protocol

The cells were fixed with 4% PFA (10 min) and then permeabilized with 0.1% P000 events was performed.

Application:

IHC-P,IHC-Fr,IF,FCM

Recommended

IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human IRS-2
Antigen Species: Human
Gene ID: 8660
Uniprot ID: Q9Y4H2

Research Background

The family of insulin receptor substrates (IRSs) has been reported to play important roles for signal transduction of various hormones. Four members of the IRS family have been described. Each IRS is believed to have different functions; however, the distinct physiological roles of each IRS are unclear. Summary: This gene encodes the insulin receptor substrate 2, a cytoplasmic signaling molecule that mediates effects of insulin, insulin-like growth factor 1, and other cytokines by acting as a molecular adaptor between diverse receptor tyrosine kinases and downstream effectors. The product of this gene is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation, as well as by an interleukin 4 receptor-associated kinase in response to IL4 treatment.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481