

Anti-IRS3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat,Pig (predicted:Mouse)
Molecular Weight:	Theoretical: 53 kDa. Actual: 60 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: human pneumonia tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-IRS-3 Polyclonal Antibody, Unconjugated (TMAB-07816) 1: 200, overnight at 4° C, followed by conjugation to the secondary antibody and DAB staining

2. Sample:

Lane 1: Adipose (Rat) Lysate at 40 µg

Verified Activity: Primary: Anti-IRS3 (TMAB-07816) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 60 kD
Observed band size: 60 kD

3. Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); 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 (IRS3) Polyclonal Antibody, Unconjugated (TMAB-07816) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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: mouse IRS-3
Antigen Species:	Mouse
Gene ID:	16369
Uniprot ID:	O54718

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. IRS-1 may mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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