

Anti-MRS2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Pig,Cow,Horse,Rabbit,Sheep,Cat)
Molecular Weight:	Theoretical: 50 kDa. Actual: 50 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (rat liver); 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 (MRS2) Polyclonal Antibody, Unconjugated (TMAB-09017) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody for 20 minutes and DAB staining.

2. Sample: Pancreas (mouse) Lysate at 40 µg

Primary: Anti-MRS2 (TMAB-09017) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 50 kD

Verified Activity: Observed band size: 50 kD

3. Sample:

Lane 1: Mouse Muscle tissue lysates

Lane 2: Mouse Heart tissue lysates

Lane 3: Rat Muscle tissue lysates

Lane 4: Rat Heart tissue lysates

Primary: Anti-MRS2 (TMAB-09017) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 50 kDa

Observed band size: 50 kDa

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: human MRS2
Antigen Species: Human
Gene ID: 57380
Uniprot ID: Q9HD23

Research Background

MRS2 is a magnesium transporter that may mediate the influx of magnesium into the mitochondrial matrix. There are 3 isoforms produced by alternative splicing.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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