

bs-17836R

[Primary Antibody]

MRS2 Rabbit pAb

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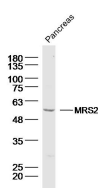
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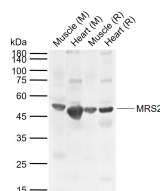
— DATASHEET —

| | | |
|---|----------------------|---|
| Host: Rabbit | Isotype: IgG | Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Sheep, Cow, Cat, Horse) Predicted MW.: 50 kDa Subcellular Location: Cytoplasm |
| Clonality: Polyclonal | | |
| GeneID: 57380 | SWISS: Q9HD23 | |
| Target: MRS2 | | |
| Immunogen: KLH conjugated synthetic peptide derived from human MRS2: 201-300/443. | | |
| Purification: affinity purified by Protein A | | |
| Concentration: 1mg/ml | | |
| Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. | | |
| 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. | | |

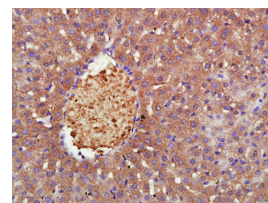
— VALIDATION IMAGES —



Sample: Pancreas (mouse) Lysate at 40 ug
Primary: Anti- MRS2(bs-17836R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 50kD
Observed band size: 50 kD



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 (bs-17836R) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 50 kDa Observed band size: 50 kDa



Paraformaldehyde-fixed, paraffin embedded (rat
liver); Antigen retrieval by boiling in sodium
citrate buffer (pH6.0) for 15min; Block
endogenous peroxidase by 3% hydrogen
peroxide for 20 minutes; Blocking buffer (normal
goat serum) at 37°C for 30min; Antibody
incubation with (MRS2) Polyclonal Antibody,
Unconjugated (bs-17836R) at 1:400 overnight at
4°C, followed by a conjugated secondary
antibody (sp-0023) for 20 minutes and DAB
staining.