bs-3979R **[Primary Antibody]**

ENO3 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2027 **SWISS:** P13929

Target: ENO3

Immunogen: KLH conjugated synthetic peptide derived from human ENO3: 341-434/434.

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: ENO3 is also known as beta enolase, one of the three enolase isoenzymes found in mammals. A switch from alpha enolase to beta enolase occurs in muscle tissue during development and ENO3, a homodimer, is found in skeletal muscle cells in the adult and appears to have a function in striated muscle development and regeneration. Mutations can result in decreased stability of the enzyme and be associated with a glycogen storage myopathy. This results in exercise-induced myalgias, generalized muscle weakness and fatigability.

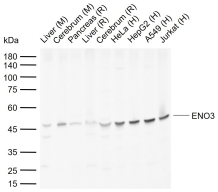
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (2ug/Test')

Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Chicken, Horse)

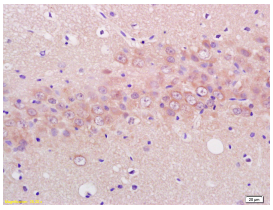
Predicted MW.: 47 kDa

Subcellular Location: Cytoplasm

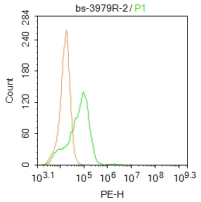
VALIDATION IMAGES



Sample: Lane 1: Mouse Liver tissue lysates Lane 2: Mouse Cerebrum tissue lysates Lane 3: Rat Pancreas tissue lysates Lane 4: Rat Liver tissue lysates Lane 5: Rat Cerebrum tissue lysates Lane 6: Human HeLa cell lysates Lane 7: Human HepG2 cell lysates Lane 8: Human A549 cell lysates Lane 9: Human Jurkat cell lysates Primary: Anti-ENO3 (bs-3979R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47 kDa Observed band size: 47 kDa



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-ENO3 Polyclonal Antibody, Unconjugated(bs-3979R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: Hela. Primary Antibody (green line): Rabbit Anti-ENO3 antibody (bs-3979R) Dilution: 2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.