bs-15540R **[Primary Antibody]**

IDI2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 91734 **SWISS:** Q9BXS1

Target: IDI2

Immunogen: KLH conjugated synthetic peptide derived from human IDI2: 1-100/227.

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: IDI2 is a 227 amino acid protein that belongs to the IPP isomerase type 1 family. Localizing to the peroxisome, IDI2 is expressed in skeletal muscle and contains one nudix hydrolase domain. IDI2 utilizes magnesium as a cofactor and participates in isoprenoid biosythesis. IDI2 catalytically converts isopentenyl diphosphate (IPP) to its electrophilic isomer, dimethylallyl diphosphate (DMAPP), a substrate for subsequent reactions that synthesize farnesyl diphosphate and, ultimately, cholesterol. The gene encoding IDI2 maps to human chromosome 10p15.3. Segmental copy-number gains to the IDI2 gene may contribute to the pathogenesis of sporadic amyotrophic lateral sclerosis (SALS). SALS, also known as Lou Gehrig's disease, is a motor neuron disease characterized by neuron degeneration

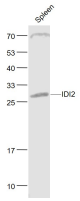
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Human, Chicken)

Predicted MW.: 27 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Spleen (Mouse) Lysate at 40 ug Primary: Anti- IDI2 (bs-15540R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27 kD Observed band size: 27 kD