SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-IDI2 antibody

Catalog Number: SL15540R

FOR RESEARCH USE ONLY

[DATASHEET]

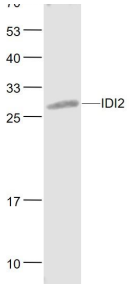
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	IDI2
Immunogen:	KLH conjugated synthetic peptide derived from human IDI2: 1-100/227
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Chicken)
Predicted MW.:	27kDa
Subcellular Location:	cytoplasmic
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 **Function:** Catalyzes the 1,3-allylic rearrangement of the homoallylic substrate isopentenyl (IPP) to its highly electrophilic allylic isomer, dimethylallyl diphosphate (DMAPP). **Subcellular Location:** Peroxisome.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	Tissue Specificity: Detected in skeletal muscle. **Similarity:** Belongs to the IPP isomerase type 1 family. Contains 1 nudix hydrolase domain. **Database links:** **Entrez Gene:** 91734 Human **Entrez Gene:** 320581 Mouse **Entrez Gene:** 502143 Rat **SwissProt:** Q9BXS1 Human **SwissProt:** Q4FZF0 Mouse **Unigene:** 591325 Human **Unigene:** 9270 Human

[VALIDATION IMAGES]



Sample:
Spleen (Mouse) Lysate at 40 ug
Primary: Anti- IDI2 (SL15540R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 27 kD
Observed band size: 27 kD

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.