SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ZNF649 antibody

Catalog Number: SL16103R

FOR RESEARCH USE ONLY

[DATASHEET]

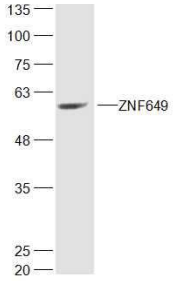
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ZNF649
Immunogen:	KLH conjugated synthetic peptide derived from human ZNF649: 401-505/505
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. 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:	Human
Predicted MW.:	58kDa
Subcellular Location:	The nucleus
Background:	Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc-finger proteins contain a Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. Zinc finger protein 649 (ZNF649) is a 505 amino acid member of the Krüppel C2H2-type zinc-finger protein family. Localized to the nucleus, ZNF649 is highly expressed in heart, brain and skeletal muscle with lower levels of expression in lung, liver, kidney and pancreas. ZNF649 contains ten C2H2-type zinc fingers and one KRAB domain through which it is thought to be involved in DNA-binding and transcriptional repression of mitogen-activated protein kinase signaling pathways. **Function:** Transcriptional repressor. Regulator of transcriptional factor complexes and may suppress SRE and AP-1 transcription activities mediated by growth factor signaling pathways.

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

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	Subcellular Location: Nucleus. **Tissue Specificity:** Highly expressed in heart, skeletal muscle, and brain. Lower expression in liver, lung, kidney, pancreas and placenta. **Similarity:** Belongs to the krueppel C2H2-type zinc-finger protein family. Contains 10 C2H2-type zinc fingers. Contains 1 KRAB domain. **Database links:** **Entrez Gene:** 65251 Human Omim: 611903 Human **SwissProt:** Q9BS31 Human **Unigene:** 148322 Human

[VALIDATION IMAGES]



Sample:
HL60(Human) Cell Lysate at 30 ug
Primary: Anti-ZNF649 (SL16103R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 58 kD
Observed band size: 58 kD

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