SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-TRIM41/HRP Conjugated antibody

Catalog Number: SL9151R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-TRIM41/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human TRIM41
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Cow,Sheep)
Background:	background: Tripartite motif-containing protein 41 (TRIM41), also known as RINCK, is a 630 amino acid member of the TRIM family, also known as the RING-B-box coiled-coil (RBCC) family. Members of the RBCC family have an N-terminal RING finger, followed by one or two zinc-binding domains (B-box domains), a leucine coiled-coil region and a variable C-terminal domain. Localized to both the nucleus and cytoplasm, TRIM41 associates with protein kinase C (PKC) through the C1A domain of PKC. Studies have shown that overexpression of TRIM41 reduces the levels of PKC in cells, whereas knockdown of TRIM41 leads to increased levels of PKC. Thus, it is hypothesized that TRIM41 plays a role in regulating PCK levels in cells, specifically through the ubiquitination of PKC. Four isoforms of TRIM41 exist as a result of alternative splicing events. **Function:** Functions as an E3 ligase that catalyzes the ubiquitin-mediated degradation of protein kinase C.

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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	Subunit: Interacts with PRKCA. **Subcellular Location:** Cytoplasm. Nucleus. **Tissue Specificity:** Expressed in multiple tissues with the highest levels in heart and skeletal muscle. **Post-translational modifications:** Auto-ubiquitinated. **Similarity:** Belongs to the TRIM/RBCC family. Contains 1 B box-type zinc finger. Contains 1 B30.2/SPRY domain. Contains 1 RING-type zinc finger. **Database links:** **Entrez Gene:** 90933 Human **Entrez Gene:** 211007 Mouse **Entrez Gene:** 303088 Rat Omim: 610530 Human **SwissProt:** Q8WV44 Human **SwissProt:** Q5NCC3 Mouse **Unigene:** 441488 Human **Unigene:** 794 Mouse Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.