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

[Primary Antibody]

Rabbit Anti-TRIP13 antibody

Catalog Number: SL11438R

FOR RESEARCH USE ONLY

[DATASHEET]

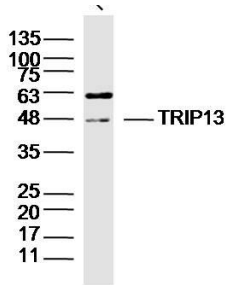
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	TRIP13
Immunogen:	KLH conjugated synthetic peptide derived from human TRIP13/16E1BP: 201-300/432
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse, (predicted: Human, Rat, Chicken, Dog, Cow, Horse, Rabbit)
Predicted MW.:	49kDa
Subcellular Location:	The nucleus
Background:	Thyroid hormone receptors (TRs) are transcription factors that regulate the expression of specific genes in a hormone-dependent manner. TRIP13 is a transcription factor that interacts with the ligand binding domain of the thyroid receptor (TR) as well as a variety of target genes including human papilloma virus type 16 (HPV16) E1. Unlike most TRIP proteins which function only in the presence of hormones, TRIP13 does not require the presence of thyroid hormone to interact with TR. The association of TRIP13 with (HPV16) E1 suggests that TRIP13 may have tumor suppressor gene function. TRIP13 is a 432 amino acid protein with 2 different isoforms produced by alternative splicing. **Function:** Plays a key role in chromosome recombination and chromosome structure development during meiosis. Required at early steps in meiotic recombination that leads to non-crossovers pathways. Also needed for efficient completion of homologous synapsis by influencing crossover distribution

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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	along the chromosomes affecting both crossovers and non-crossovers pathways. Also required for development of higher-order chromosome structures and is needed for synaptonemal-complex formation. In males, required for efficient synapsis of the sex chromosomes and for sex body formation. Promotes early steps of the DNA double-strand breaks (DSBs) repair process upstream of the assembly of RAD51 complexes. Required for depletion of HORMAD1 and HORMAD2 from synapsed chromosomes (By similarity). **Subunit:** Specifically interacts with the ligand binding domain of the thyroid receptor (TR). This interaction does not require the presence of thyroid hormone for its interaction. Interacts with HPV16 E1. **Similarity:** Belongs to the AAA ATPase family. **Database links:** **Entrez Gene:** 9319 Human **Entrez Gene:** 69716 Mouse **Entrez Gene:** 292206 Rat Omim: 604507 Human **SwissProt:** Q15645 Human **SwissProt:** Q3UA06 Mouse **SwissProt:** Q5XHZ9 Rat **Unigene:** 275095 Mouse **Unigene:** 11751 Rat

[VALIDATION IMAGES]



Sample: Testis (Mouse) Lysate at 40 ug
Primary: Anti-TRIP13 (SL11438R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 49 kD
Observed band size: 48 kD

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