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

Rabbit Anti-TRIM50/Biotin Conjugated antibody

SL9152R-Bio

Product Name	Anti-TRIM50/Biotin
Chinese Name	生物素标记的 TRIM50 蛋白抗体
Alias	E3 ubiquitin ligase; E3 ubiquitin protein ligase TRIM50; TRIM50A; Tripartite motif containing protein 50; tripartite motif protein 50A; tripartite motif-containing 50A; TRI50_HUMAN.
Research Area	Cell biology immunology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse)
Applications	WB=1000-10000,ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	55kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human TRIM50
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
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.
Product Detail	**background:** The tripartite motif (TRIM) family of proteins are characterized by a conserved TRIM domain that includes a coiled-coil region, a B-box type zinc finger, one RING finger and three zinc-binding domains. TRIM50 (tripartite motif containing 50), also known as TRIM50A or E3 ubiquitin-protein ligase

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

TRIM50, is a 487 amino acid cytoplasmic protein that functions as an E3 ubiquitin-protein ligase. Containing one RING-type zinc finger, a B30.2/SPRY domain and a single B box-type zinc finger, TRIM50 belongs to the TRIM/RBCC family and undergoes post-translational auto-ubiquitination. TRIM50 exists as two alternatively spliced isoforms, designated TRIM50 alpha and TRIM50 beta, and has the ability to form dimers and trimers. The gene encoding TRIM50 maps to human chromosome 7, which houses over 1,000 genes, comprises nearly 5% of the human genome and has been linked to Osteogenesis imperfecta, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome.

Function:
E3 ubiquitin-protein ligase.

Subunit:
Can form dimers and trimers. Interacts with several E2 ubiquitin-conjugating enzymes, including UBE2L6, UBE2E1, UBE2E3. No interaction with UBE2H.

Subcellular Location:
Cytoplasmic

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: 135892 Human

Omim: 612548 Human

SwissProt: Q86XT4 Human

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