

Rabbit Anti-TRIM32/PE Conjugated antibody

SL0964R-PE

Product Name	Anti-TRIM32/PE
Chinese Name	PE 标记的神经 Stem cells 抑制相关蛋白 TRIM32 抗体
Alias	72 kda Tat interacting Protein; BBS11; HT2A; LGMD2H; Limb girdle muscular dystrophy 2H (autosomal recessive); Limb girdle muscular dystrophy 2H; Muscular dystrophy Hutterite type; TAT interactive protein 72KD; TATIP; Tripartite Motif Containing Protein 32; Zinc Finger Protein HT2A; TRI32_MOUSE.
Research Area	Cell biology Developmental biology Neurobiology Stem cells Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse(predicted:Human,Rat) Flow-Cyt=3ug/Test,IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	72kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from mouse TRIM32
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: Tripartite motif-containing protein 32 (TRIM32) belongs to the tripartite motif (TRIM) protein family. TRIM32, like all TRIM proteins, contains a domain structure composed of a B-box, a RING-finger and a coiled-coil motif. Additionally, TRIM32 has six C-terminal NHL domains; it is expressed

mainly in the skeletal muscle. The TRIM32 gene encodes an E3 ubiquitin ligase, a protein that attaches ubiquitin to a lysine residue on a target protein and acts in conjunction with ubiquitin-conjugating enzymes UbcH5a, UbcH5c and UbcH6. Mutations in the TRIM32 gene cause two forms of autosomal recessive muscular dystrophy designated limb girdle muscular dystrophy type 2H (LGMD2H) and sarcotubular myopathy (STM). TRIM32 mutations can also result in Bardet-Biedl syndrome (BBS), an autosomal recessive disorder characterized by pigmentary retinopathy, polydactyly, hypogenitalism, renal abnormalities, learning disabilities and obesity.

Function:

Has an E3 ubiquitin ligase activity. Ubiquitinates DTNBP1 (dysbindin) (By similarity). Ubiquitinates PIAS4/PIASY and promotes its degradation in keratinocytes treated with UVB and TNF-alpha.

Subunit:

Interacts with DTNBP1 (By similarity). It self-associates (By similarity). Interacts with PIAS4/PIASY upon treatment with UVB and TNF-alpha.

Subcellular Location:

Cytoplasm. Note=Localized in cytoplasmic bodies, usually concentrated around the nucleus

Tissue Specificity:

Ubiquitous. High expression in brain.

Post-translational modifications:

Ubiquitinated.

Similarity:

Belongs to the TRIM/RBCC family.
Contains 1 B box-type zinc finger.
Contains 5 NHL repeats.
Contains 1 RING-type zinc finger

Database links:

[Entrez Gene: 22954](#) Human

[Entrez Gene: 69807](#) Mouse

[Omim: 602290](#) Human

[SwissProt: Q13049](#) Human



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[SwissProt: Q8CH72](#) Mouse

[Unigene: 591910](#) Human

[Unigene: 22786](#) Mouse

Important Note:

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

TRIM32 蛋白质的表达能促进神经 Stem cells 生成神经元