



## Rabbit Anti-TRIM32 antibody

SL0964R

<b>Product Name:</b>	TRIM32
<b>Chinese Name:</b>	神经Stem cells抑制相关蛋白TRIM32抗体
<b>Alias:</b>	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.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=3ug/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	72kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from mouse TRIM32:301-400/655
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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

**SWISS:**

Q8CH72

**Gene ID:**

69807

**Database links:**

[Entrez Gene: 22954](#)Human

[Entrez Gene: 69807](#)Mouse

[Oimim: 602290](#)Human

[SwissProt: Q13049](#)Human

[SwissProt: Q8CH72](#)Mouse

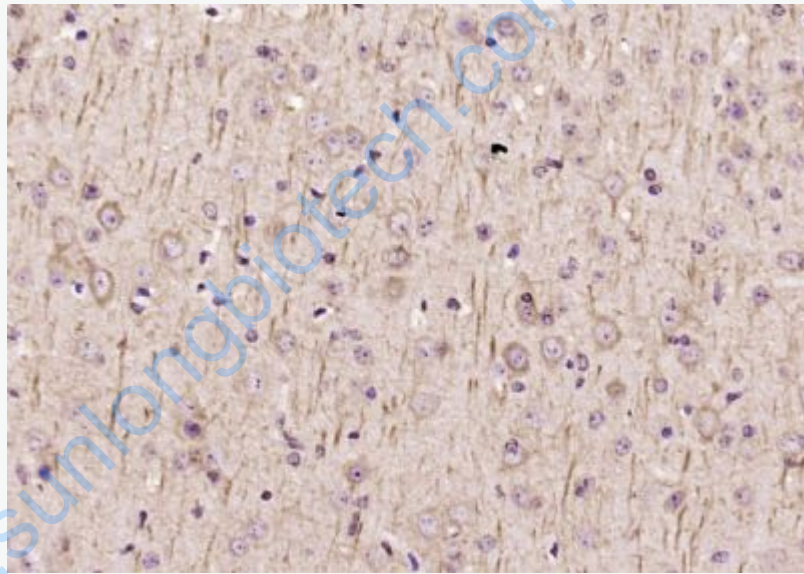
[Unigene: 591910](#)Human

[Unigene: 22786](#)Mouse

**Important Note:**

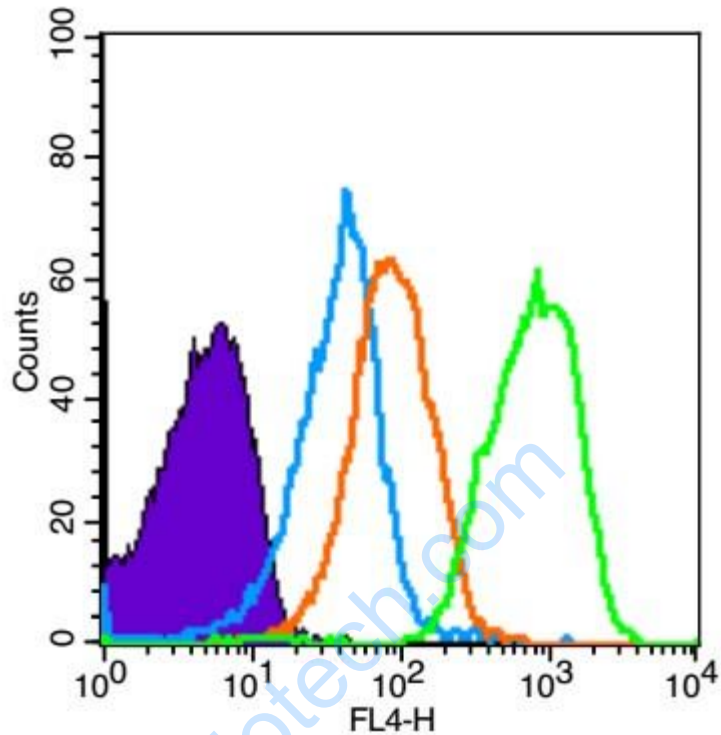
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TRIM32蛋白质的表达能促进神经Stem cells生成神经元



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TRIM32) Polyclonal Antibody, Unconjugated (SL0964R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (Black line): Mouse spleen(Black).

Primary Antibody (green line): Rabbit Anti-TRIM32 antibody (SL0964R)

Dilution:  $3\mu\text{g} / 10^6$  cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647

Dilution:  $1\mu\text{g} / \text{test}$ .

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room

	temperature. Acquisition of 10,000 events was performed.
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