TRIM32 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRIM32, Polyclonal Antibody
Full Product Name	TRIM32 Polyclonal Antibody
Product Gene Name	anti-TRIM32 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	71kDa
OMIM	gene 615988
3D Structure	ModBase 3D Structure for Q13049
Immunogen	Recombinant protein of human TRIM32 (NP_036342.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TRIM32 antibody	Western Blot (WB)
Application Notes for anti-TRIM32 antibody	WB: 1:500-1:2000
Related Product Information for anti-TRIM32 antibody	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to cytoplasmic bodies. The protein has also been localized to the nucleus, where it interacts with the activation domain of the HIV-1 Tat protein. The Tat protein activates transcription of HIV-1 genes.
Other Notes	Small volumes of anti-TRIM32 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TRIM32 purchase	MBS8573228 is an antibody targeting TRIM32. Also known as TRIM32 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIM32. It may not necessarily be applicable to this product.

NCBI GI #	153792582
NCBI GeneID	22954
NCBI Accession #	NP_036342.2
UniProt Primary Accession #	Q13049

UniProt Related Accession #	Q13049
GenBank Nucleotide #	NP_036342.2
NCBI Official Full Name	E3 ubiquitin-protein ligase TRIM32
NCBI Official Synonym Full Names	tripartite motif containing 32
NCBI Official Symbol	TRIM32
NCBI Official Synonym Symbols	HT2A; BBS11; TATIP; LGMD2H; LGMDR8
UniProt Protein Name	E3 ubiquitin-protein ligase TRIM32
UniProt Synonym Protein Names	72 kDa Tat-interacting protein; Tripartite motif-containing protein 32; Zinc finger protein HT2A
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	TRIM32
UniProt Synonym Gene Names	HT2A
UniProt Entry Name	TRI32_HUMAN
NCBI Protein Information	E3 ubiquitin-protein ligase TRIM32
UniProt Comments for TRIM32	TRIM32: Has an E3 ubiquitin ligase activity. Ubiquitinates DTNBP1 (dysbindin) and promotes its degradation. May play a significant role in mediating the biological activity of the HIV-1 Tat protein in vivo. Binds specifically to the activation domain of HIV-1 Tat and can also interact with the HIV-2 and EIAV Tat proteins in vivo. Defects in TRIM32 are the cause of limb-girdle muscular dystrophy type 2H (LGMD2H); also known as muscular dystrophy Hutterite type. LGMD2H is an autosomal recessive degenerative myopathy characterized by pelvic girdle, shoulder girdle and quadriceps muscle weakness. Clinical phenotype and severity are highly variable. Disease progression is slow and most patients remain ambulatory into the sixth decade of life. Defects in TRIM32 are the cause of Bardet-Biedl syndrome type 11 (BBS11). Bardet-Biedl syndrome (BBS) is a genetically heterogeneous, autosomal recessive disorder characterized by usually severe pigmentary retinopathy, early onset obesity, polydactyly, hypogenitalism, renal malformation and mental retardation. Secondary features include diabetes mellitus, hypertension and congenital heart disease. A relatively high incidence of BBS is found in the mixed Arab populations of Kuwait and in Bedouin tribes throughout the Middle East, most likely due to the high rate of consaguinity in these populations and a founder effect. Belongs to the TRIM/RBCC family. Protein type: Ubiquitin ligase; EC 6.3.2.19; EC 6.3.2.-; Ubiquitin conjugating system; Ligase Chromosomal Location of Human Ortholog: 9q33.1 Cellular Component: cytoplasm; striated muscle thick filament; cytosol; nucleus Molecular Function: protein binding; ubiquitin binding; protein self-association; myosin binding; zinc ion binding; translation initiation factor binding; RNA binding; Tat protein binding; transcription coactivator activity; ubiquitin-protein ligase activity; ligase activity Biological Process: fat cell differentiation; regulation of interferon type I production; positive regulation of neurogenesis; positive regulation of I-kappaB kinase/NF-kappaB cascade; protein polyubiquitination; positive regulation of proteolysis; protein ubiquitination during ubiquitin-dependent protein catabolic process; protein ubiquitination; positive regulation of cell cycle; positive regulation of cell growth; activation of NF-kappaB transcription factor; negative regulation of viral transcription; negative regulation of fibroblast proliferation; positive regulation of interferon type I production; positive regulation of protein catabolic process; innate immune response; positive regulation of transcription factor activity; positive regulation of neuron differentiation; response to UV; positive regulation of cell migration Disease: Muscular Dystrophy, Limb-girdle, Type 2h; Bardet-biedl Syndrome 11
Research Articles on TRIM32	**1.** TRIM32 as a crucial positive regulator of Herpes Simplex Virus type 1 (HSV-1) induced IFN-beta production in corneal epithelial cells, and it played a predominant role in clearing HSV-1 from the cornea.

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