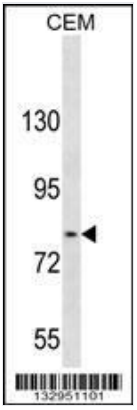
TGFBRAP1 Antibody – Rabbit Polyclonal

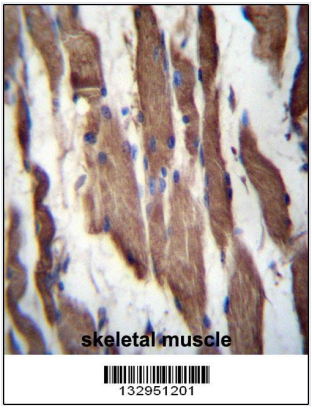
PRODUCT OVERVIEW

Product Name	TGFBRAP1, Polyclonal Antibody
Full Product Name	TGFBRAP1, CT (TGFBRAP1, Transforming growth factor-beta receptor-associated protein 1) (Azide free) (HRP)
Product Gene Name	anti-TGFBRAP1 antibody
Product Synonym Names	TGFBRAP1; Transforming growth factor-beta receptor-associated protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
OMIM	606237
3D Structure	ModBase 3D Structure for Q8WUH2
Immunogen	TGFBRAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 498-528 amino acids from the C-terminal region of human TGFBRAP1.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-TGFBRAP1 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-TGFBRAP1 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-TGFBRAP1 antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-TGFBRAP1 antibody	TGFBRAP1 plays a role in the TGF-beta/activin signaling pathway. It associates with inactive heteromeric TGF-beta and activin receptor complexes, mainly through the type II receptor, and is released upon activation of signaling. May recruit SMAD4 to the vicinity of the receptor complex and facilitate its interaction with receptor-regulated Smads, such as SMAD2.
Product References and Citations for anti-TGFBRAP1 antibody	Rose, J. Phd, et al. Mol. Med. (2010). In press: Le Clerc, S., et al. J. Infect. Dis. 200(8):1194-1201(2009). Hwang, Y., et al. Pharmacogenomics 7(5):697-709(2006). Wurthner, J.U., et al. J. Biol. Chem. 276(22):19495-19502(2001). Provost, P., et al. Proc. Natl. Acad. Sci. U.S.A. 96(5):1881-1885(1999).
Other Notes	Small volumes of anti-TGFBRAP1 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 TGFBRAP1 purchase	MBS6355221 is an antibody targeting TGFBRAP1. Also known as TGFBRAP1, CT (TGFBRAP1, Transforming growth factor-beta receptor-associated protein 1) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TGFBRAP1 antibody
TGFBRAP1 Antibody (C-term) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the TGFBRAP1 antibody detected the TGFBRAP1 protein (arrow).



Immunohistochemistry (IHC) of anti-TGFBRAP1 antibody
TGFBRAP1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TGFBRAP1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TGFBRAP1. It may not necessarily be applicable to this product.

NCBI GI #	21359865
NCBI GeneID	9392
NCBI Accession #	NP_004248.2
NCBI Related Accession #	NP_001136093.1
UniProt Primary Accession #	Q8WUH2
UniProt Related Accession #	Q8WUH2
GenBank Nucleotide #	NP_004248.2
NCBI Official Full Name	transforming growth factor-beta receptor-associated protein 1 isoform 1
NCBI Official Synonym Full Names	transforming growth factor beta receptor associated protein 1
NCBI Official Symbol	TGFBRAP1
NCBI Official Synonym Symbols	VPS3; TRAP1; TRAP-1
UniProt Protein Name	Transforming growth factor-beta receptor-associated protein 1
Protein Family	Transforming growth factor-beta receptor-associated protein
UniProt Gene Name	TGFBRAP1
UniProt Synonym Gene Names	TGF-beta receptor-associated protein 1; TRAP-1; TRAP1
UniProt Entry Name	TGFA1_HUMAN
NCBI Protein Information	transforming growth factor-beta receptor-associated protein 1
NCBI Summary for TGFBRAP1	This gene encodes a protein that binds to transforming growth factor-beta (TGF-beta) receptors and plays a role in TGF-beta signaling. The encoded protein acts as a chaprone in signaling downstream of TGF-beta. It is involved in signal-dependent association with SMAD4. The protein is also a component of mammalian CORVET, a multisubunit tethering protein complex that is involved in fusion of early endosomes. [provided by RefSeq, Jun 2016]

UniProt Comments for TGFBRAP1	TGFBRAP1: Plays a role in the TGF-beta/activin signaling pathway. It associates with inactive heteromeric TGF-beta and activin receptor complexes, mainly through the type II receptor, and is released upon activation of signaling. May recruit SMAD4 to the vicinity of the receptor complex and facilitate its interaction with receptor-regulated Smads, such as SMAD2. Belongs to the TRAP1 family. Chromosomal Location of Human Ortholog: 2q12.1 Cellular Component: membrane; cytoplasm Molecular Function: protein binding; SMAD binding; transforming growth factor beta receptor binding Biological Process: vesicle-mediated transport; intracellular protein transport; regulation of transcription, DNA-dependent; regulation of catalytic activity; transforming growth factor beta receptor signaling pathway; signal transduction
Research Articles on TGFBRAP1	**1.** Findings suggest that genetic polymorphisms of TGF-beta1 receptor-associated protein 1 (TGFBRAP1) may contribute to the genetic susceptibility of type 2 diabetes mellitus (T2DM) by mediating diabetes-related miRNA expression.
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