TGFA1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TGFA1, Polyclonal Antibody
Full Product Name	TGFA1 Rabbit Polyclonal Antibody
Product Gene Name	anti-TGFA1 antibody
Product Synonym Gene Name	TGFBRAP1
Product Synonym Names	BH6842; Transforming growth factor-beta receptor-associated protein 1 (TGF-beta receptor-associated protein 1)(TRAP-1)(TRAP1)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Rat, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	TGFA1 Polyclonal Antibody detects endogenous levels of protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	97,158 Da
OMIM	606237
3D Structure	ModBase 3D Structure for Q8WUH2
Immunogen	Synthesized peptide derived from human protein. at AA range: 671-720
Modification	Unmodified/Total
Applications Tested/Suitable for anti-TGFA1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-TGFA1 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-TGFA1 antibody	transforming growth factor beta receptor associated protein 1 (TGFBRAP1) Homo sapiens 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]
Other Notes	Small volumes of anti-TGFA1 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 TGFA1 purchase	MBS9517383 is an antibody targeting TGFA1. Also known as TGFA1 Rabbit Polyclonal Antibody. Reactive in Human, Rat, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TGFA1. It may not necessarily be applicable to this product.

NCBI GI #	217330589
NCBI GeneID	9392
NCBI Accession #	NP_001136093.1
UniProt Primary Accession #	Q8WUH2
UniProt Secondary Accession #	O60466; A8K5R7; D3DVJ8
UniProt Related Accession #	Q8WUH2
GenBank Nucleotide #	NM_001142621.2
NCBI Official Full Name	transforming growth factor-beta receptor-associated protein 1
NCBI Official Synonym Full Names	transforming growth factor, beta receptor associated protein 1
NCBI Official Symbol	TGFBRAP1
NCBI Official Synonym Symbols	TRAP1; TRAP-1
UniProt Protein Name	Transforming growth factor-beta receptor-associated protein 1
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; TGF beta receptor associated protein -1; TGF-beta receptor-associated protein 1
UniProt Comments for TGFA1	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 TGFA1	**1.** In the absence of Langerhans cells (LC), contact hypersensitivity (CHS) reactions in langerin-positive dendritic cell-specific TGF-betaR1-deficient mice are diminished, providing further evidence against a regulatory role for LC in CHS.
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