TBC1D2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TBC1D2, Polyclonal Antibody
Full Product Name	TBC1D2, ID (TBC1D2, PARIS1, PP8997, TBC1D2A, TBC1 domain family member 2A, Armus, Prostate antigen recognized and identified by SEREX 1) (MaxLight 490)
Product Gene Name	anti-TBC1D2 antibody
Product Synonym Names	TBC1D2; PARIS1; PP8997; TBC1D2A; TBC1 domain family member 2A; Armus; Prostate antigen recognized and identified by SEREX 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	609871
3D Structure	ModBase 3D Structure for Q9BYX2
Immunogen	TBC1D2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 437-465 amino acids from the Central region of human TBC1D2.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-TBC1D2 antibody	Antibodies; Disease Markers
Applications Tested/Suitable for anti-TBC1D2 antibody	Western Blot (WB), FLISA
Application Notes for anti-TBC1D2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TBC1D2 antibody	TBC1D2 acts as GTPase-activating protein for RAB7A. Signal effector acting as a linker between RAC1 and RAB7A, leading to RAB7A inactivation and subsequent inhibition of cadherin degradation and reduced cell-cell adhesion.
Product References and Citations for anti-TBC1D2 antibody	Letra, A., et al. Am. J. Med. Genet. A 152A (7), 1701-1710 (2010): Ishibashi, K., et al. Genes Cells 14(1):41-52(2009). Olsen, J.V., et al. Cell 127(3):635-648(2006). Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004). Zhou, Y., et al. Biochem. Biophys. Res. Commun. 290(2):830-838(2002).
Other Notes	Small volumes of anti-TBC1D2 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 TBC1D2 purchase	MBS6353870 is an antibody targeting TBC1D2. Also known as TBC1D2, ID (TBC1D2, PARIS1, PP8997, TBC1D2A, TBC1 domain family member 2A, Armus, Prostate antigen recognized and identified by SEREX 1) (MaxLight 490). Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TBC1D2. It may not necessarily be applicable to this product.

NCBI GI #	222352143
NCBI GeneID	55357
NCBI Accession #	NP_060891.3
UniProt Primary Accession #	Q9BYX2
UniProt Related Accession #	Q9BYX2
GenBank Nucleotide #	NP_060891.3
NCBI Official Full Name	TBC1 domain family member 2A isoform 2
NCBI Official Synonym Full Names	TBC1 domain family member 2
NCBI Official Symbol	TBC1D2
NCBI Official Synonym Symbols	PARIS1; PARIS-1; TBC1D2A
UniProt Protein Name	TBC1 domain family member 2A
UniProt Synonym Protein Names	Armus; Prostate antigen recognized and identified by SEREX 1
Protein Family	TBC1 domain family
UniProt Gene Name	TBC1D2
UniProt Synonym Gene Names	PARIS1; PP8997; TBC1D2A; PARIS-1
UniProt Entry Name	TBD2A_HUMAN
NCBI Protein Information	TBC1 domain family member 2A
UniProt Comments for TBC1D2	TBC1D2: a putative GTPase activating protein for Rab family protein(s). Expressed in a broad range of tissues. Differentially expressed in prostate normal and cancer cells. Protein type: GAPs, Rab; GAPs Chromosomal Location of Human Ortholog: 9q22.33 Cellular Component: cytoplasmic membrane-bound vesicle; cytoplasmic vesicle; cell junction Molecular Function: protein binding; cadherin binding
Research Articles on TBC1D2	**1.** integration of Rac1 and Rab7 activities by Armus provides an important regulatory node for E-cadherin turnover and stability of cell-cell contacts
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/tbc1d2/6353870