PERM1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PERM1, Polyclonal Antibody
Full Product Name	PERM1 Antibody
Product Gene Name	anti-PERM1 antibody
Product Synonym Names	Chromosome 1 open reading frame 170; RP11-54O7.8; Uncharacterized protein C1orf170
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Concentration	1mg/ml (lot specific)
Specificity	PERM1 Antibody detects endogenous levels of PERM1.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	PERM1 peptide (MBS9632828) is used for blocking the activity of PERM1 antibody (MBS9630445)
Molecular Weight	81,351 Da
3D Structure	ModBase 3D Structure for Q5SV97
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human PERM1.
Conjugation	Unconjugated
Tissue Specificity	Muscle-specific expression is increased by endurance exercise.
Function	Regulates the expression of selective PPARGC1A/B and ESRRA/B/G target genes with roles in glucose and lipid metabolism, energy transfer, contractile function, muscle mitochondrial biogenesis and oxidative capacity. Required for the efficient induction of MT-CO2, MT-CO3, COX4I1, TFB1M, TFB2M, POLRMT and SIRT3 by PPARGC1A. Positively regulates the PPARGC1A/ESRRG-induced expression of CKMT2, TNNI3 and SLC2A4 and negatively regulates the PPARGC1A/ESRRG-induced expression of PDK4.
Note	hows a nuclear localization in the presence of PPARGC1A.
Product Categories/Family for anti-PERM1 antibody	Cytoplasm; Nucleus; Primary
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PERM1 antibody	ELISA (EIA)(peptide)
Application Notes for anti-PERM1 antibody	ELISA(peptide): 1:20000-1:40000

Related Product Information for anti-PERM1 antibody	MBS9630445 is an antibody targeting PERM1. Also known as PERM1 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-PERM1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PERM1. It may not necessarily be applicable to this product.

NCBI GI #	607344299
NCBI GeneID	84808
NCBI Accession #	NP_001278295.1
UniProt Primary Accession #	Q5SV97
UniProt Secondary Accession #	Q6ZVZ7; Q9BRF2; S5G239
UniProt Related Accession #	Q5SV97
GenBank Nucleotide #	NM_001291366.1
NCBI Official Full Name	PGC-1 and ERR-induced regulator in muscle protein 1 isoform 1
NCBI Official Synonym Full Names	PPARGC1 and ESRR induced regulator, muscle 1
NCBI Official Symbol	PERM1
NCBI Official Synonym Symbols	C1orf170
UniProt Protein Name	PGC-1 and ERR-induced regulator in muscle protein 1
UniProt Synonym Protein Names	PPARGC1 and ESRR-induced regulator in muscle 1; Peroxisome proliferator-activated receptor gamma coactivator 1 and estrogen-related receptor-induced regulator in muscle 1
Protein Family	PGC-1 and ERR-induced regulator in muscle protein
UniProt Gene Name	PERM1
UniProt Synonym Gene Names	C1orf170
UniProt Entry Name	PERM1_HUMAN
NCBI Protein Information	PGC-1 and ERR-induced regulator in muscle protein 1; PGC-1 and ERR-induced regulator in muscle 1; PPARGC1 and ESRR-induced regulator in muscle 1; pGC-1 and ERR-induced regulator in muscle protein 1; peroxisome proliferator-activated receptor gamma coactiv
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-antibody/perm1/9630445