URM1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	URM1, Polyclonal Antibody
Full Product Name	URM1, NT (Ubiquitin-related Modifier 1 Homolog, C9orf74) (MaxLight 405)
Product Gene Name	anti-URM1 antibody
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 MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human URM1.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	13.5 kDa (121 aa) confirmed by MALDI-TOF
OMIM	612693
3D Structure	ModBase 3D Structure for Q9BTM9
Immunogen	Synthetic peptide selected from the N-terminal region of human URM1 (KLH).
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-URM1 antibody	Antibodies; Ubiquitin
Applications Tested/Suitable for anti-URM1 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-URM1 antibody	IHC: 1:10-1:50 FLISA: 1:1,000 WB: 1:50-1:100 Applications are based on unconjugated antibody.
Related Product Information for anti-URM1 antibody	MBS6504710 is an antibody targeting URM1. Also known as URM1, NT (Ubiquitin-related Modifier 1 Homolog, C9orf74) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-URM1 antibody	1. Humphray S.J., Nature 429:369-374(2004). 2. The MGC Project Team., Genome Res. 14:2121-2127(2004).
Other Notes	Small volumes of anti-URM1 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 URM1. It may not necessarily be applicable to this product.

NCBI GI #	13569870
NCBI GeneID	81605
NCBI Accession #	NP_112176
UniProt Primary Accession #	Q9BTM9
UniProt Secondary Accession #	Q5T4B4; B3KMH3; B4DV08
UniProt Related Accession #	Q9BTM9
GenBank Nucleotide #	NM_030914.3
NCBI Official Full Name	ubiquitin-related modifier 1 isoform a
NCBI Official Synonym Full Names	ubiquitin related modifier 1
NCBI Official Symbol	URM1
NCBI Official Synonym Symbols	C9orf74
UniProt Protein Name	Ubiquitin-related modifier 1
Protein Family	Ubiquitin-related modifier
UniProt Gene Name	URM1
UniProt Entry Name	URM1_HUMAN
NCBI Protein Information	ubiquitin-related modifier 1
UniProt Comments for URM1	URM1: Acts as a sulfur carrier required for 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). Serves as sulfur donor in tRNA 2-thiolation reaction by thiocarboxylated (-COSH) at its C-terminus by MOCS3. The sulfur is then transferred to tRNA to form 2-thiolation of mcm(5)S(2)U. May also act as an ubiquitin-like protein that is covalently conjugated to other proteins; the relevance of such function is however unclear in vivo. Belongs to the URM1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transferase; Ubiquitin-like modifier Chromosomal Location of Human Ortholog: 9q34.11 Cellular Component: cytosol Molecular Function: sulfurtransferase activity; protein binding Biological Process: protein urmylation; tRNA wobble uridine modification
Research Articles on URM1	**1.** ubiquitin-like Urm1.Uba4 systems are conserved and exchangeable between human and yeast cells
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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.

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