Datasheet for ABIN5516189

anti-Urm1 antibody (N-Term)

Go to Product page

Overview

Quantity:	100 µL
Target:	Urm1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Urm1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human URM1
Sequence:	TLPGQEEPWD IRNLLIWIKK NLLKERPELF IQGDSVRPGI LVLINDADWE
Characteristics:	This is a rabbit polyclonal antibody against URM1. It was validated on Western Blot.
Purification:	Affinity purified

Target Details

Target:	Urm1
Alternative Name:	URM1 (Urm1 Products)
Background:	URM1 acts as a sulfur carrier required for 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of cytosolic tRNA(Lys), tRNA(Glu) and tRNA(Gln). URM1 serves as sulfur donor in

Target Details

	tRNA 2- thiolation reaction by being 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. Also acts as a ubiquitin-like protein (UBL) that is covalently conjugated via an isopeptide bond to lysine residues of target proteins such as MOCS3, ATPBD3, CTU2, USP15 and CAS. The thiocarboxylated form serves as substrate for conjugation and oxidative stress specifically induces the formation of UBL-protein conjugates. Alias Symbols: C9orf74 Protein Interaction Partner: SEC23IP, DSTN, PTGES3, TXNL1, USP5, XPO1, VCL, PRDX2, PRDX1, ATP6V1A, CTU1, UBC, ASCC2, TBL3, CDK11B, UBA4, Protein Size: 101
Gene ID:	81605
NCBI Accession:	NP_112176
UniProt:	Q9BTM9

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.