

Immunotag™ URM1 Antibody

Antibody Specification	
Catalog No.	ITA8055
Product Description	Immunotag™ URM1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	URM1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:1000-3000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human URM1
Specificity	URM1 Antibody detects endogenous levels of total URM1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	URM1
Accession No.	Q9BTM9
Alternate Names	2900073H19Rik; C9orf74; Chromosome 9 open reading frame 74; MGC2668; RGD1306599; RP11 339B21.4; RP23-443G7.1; Ubiquitin related modifier 1; Ubiquitin related modifier 1 homolog; Ubiquitin-related modifier 1 homolog; Urm 1; URM1; URM1_HUMAN;

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Description	Acts as a sulfur carrier required for 2-thiolation of mcm5S2U at tRNA wobble positions of cytosolic tRNA(Lys), tRNA(Glu) and tRNA(Gln). Serves as sulfur donor in 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 mcm5S2U. 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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	11 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.