

Rabbit anti-Human, Mouse TYW3 Polyclonal Antibody | anti-TYW3 antibody

TYW3 Antibody

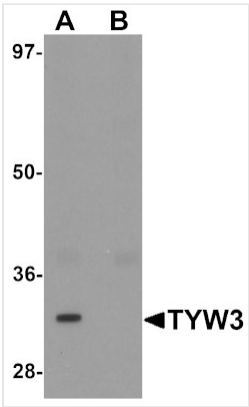
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39679	Rabbit	Human, Mouse	Western Blot, ELISA

PRODUCT SYNONYMS

TYW3; Polyclonal Antibody; TYW3 Antibody; C1orf171; tRNA wybutosine-synthesizing protein 3 homolog; tRNA-yW-synthesizing protein 3; tRNA-yW synthesizing protein 3 homolog (S. cerevisiae); anti-TYW3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	TYW3 antibody is predicted to not cross-react with other TYW protein family members. At least two isoforms of TYW3 are known to exist; this antibody will detect both isoforms.
Form/Format	Liquid; TYW3 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	259
Applicable Applications for anti-TYW3 antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	TYW3 antibody was raised against a 17 amino acid synthetic peptide near the center of human TYW3. Then immunogen is located within amino acids 160-210 of TYW3.
Homology	Predicted species reactivity based on immunogen sequence: Bovine (94%), Pig (94%)
Positive Control	1) Cat No. A549 Cell Lysate.
Preparation and Storage	TYW3 antibody can be stored at 4 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



WB (Western Blot)
TYW3 Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-TYW3 antibody	TYW3 Antibody: TYW3 is an enzyme that participates in the wybutosine-tRNA (Phe) biosynthesis pathway. Wybutosine (yW) is a hypermodified guanosine at the 3-prime position adjacent to the anticodon of phenylalanine tRNA that stabilizes codon-anticodon interactions during decoding on the ribosome. TYW3 is involved in a multistep enzymatic reaction that stabilizes codon-anticodon base-pairing during the ribosomal decoding process, thereby ensuring correct translation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42734381
NCBI GeneID	127253
NCBI Accession #	NP_612476.1
NCBI GenBank Nucleotide #	NM_138467.2
UniProt Accession #	Q6IPR3; Q5HYJ0; Q8N7L1; B4DSP9; E9PGR7
NCBI Official Full Name	tRNA wybutosine-synthesizing protein 3 homolog isoform 1
NCBI Official Synonym Full Names	tRNA-yW synthesizing protein 3 homolog (S. cerevisiae)
NCBI Official Symbol	TYW3
NCBI Official Synonym Symbols	C1orf171
NCBI Protein Information	tRNA wybutosine-synthesizing protein 3 homolog; tRNA-yW-synthesizing protein 3; tRNA(Phe) 7-((3-amino-3-carboxypropyl)-4-demethylwyosine(37)-N(4))-methyltransferase
UniProt Protein Name	tRNA wybutosine-synthesizing protein 3 homolog
UniProt Gene Name	TYW3
UniProt Synonym Gene Names	C1orf171; tRNA-yW-synthesizing protein 3
UniProt Entry Name	TYW3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.