

Anti-TYW3 Antibody

Catalog Number: A15678

About TYW3

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.

Overview

Product Name	Anti-TYW3 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-TYW3 Antibody (Catalog # A15678). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	TYW3 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TYW3 antibody can be stored at 4 °C, stable for one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q6IPR3

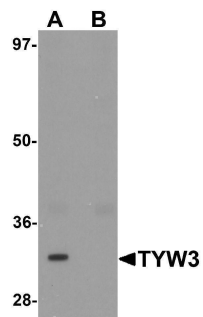
Technical Details

Immunogen	TYW3 antibody was raised against a 17 amino acid synthetic peptide near the center of human TYW3. The immunogen is located within amino acids 160 - 210 of TYW3.
Predicted Reactive Species	Bovine, Pig
Cross Reactivity	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.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TYW3 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

TYW3 antibody can be used for detection of TYW3 by Western blot at 1 ug/mL.
Antibody validated: Western Blot in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-TYW3 Antibody (A15678) Images



Western blot analysis of TYW3 in A549 cell lysate with TYW3 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

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Anti-TYW3 Antibody

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