BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-YTHDC1 Antibody Picoband™

Catalog Number: A06172-1

About YTHDC1

YTH domain-containing protein 1 is a protein that in humans is encoded by the YTHDC1 gene. YTHDC1 is a nuclear protein involved in splice site selection that localises to YT bodies; dynamic subnuclear compartments, which first appear at the beginning of S-phase in the cell cycle and disperse during mitosis.

Overview

Product Name	Anti-YTHDC1 Antibody Picoband™
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-YTHDC1 Antibody Picoband™ catalog # A06172-1. Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.005mg NaN3.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q96MU7

Technical Details

Immunogen	E.coli-derived human YTHDC1 recombinant protein (Position: S326-K651).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

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	If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.25-0.5ug/ml, Human, Mouse, Rat Direct ELISA, 0.1-0.5ug/ml, Human

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Anti-YTHDC1 Antibody Picoband™ (A06172-1) Images

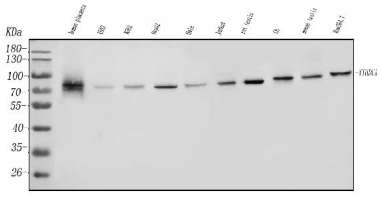

Figure 1. Western blot analysis of YTHDC1 using anti-YTHDC1 antibody (A06172-1).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: human placenta tissue lysates,
Lane 2: human U937 whole cell lysates,
Lane 3: human K562 whole cell lysates,
Lane 4: human HEPG2 whole cell lysates,
Lane 5: human HELA whole cell lysates,
Lane 6: human Jurkat whole cell lysates,
Lane 7: rat testis tissue lysates,
Lane 8: rat C6 whole cell lysates,
Lane 9: mouse testis tissue lysates,
Lane 10: mouse RAW264.7 whole cell lysates.
After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-YTHDC1 antigen affinity purified polyclonal antibody (Catalog # A06172-1) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for YTHDC1 at approximately 85KD. The expected band size for YTHDC1 is at 85KD.