

## Anti-YY1 Antibody

Catalog Number: A00833

### About YY1

Two elongation factors (EF) EF-Tu and EF-2 participate in the elongation phase during protein biosynthesis on the ribosome and their functional cycles depend on GTP binding and its hydrolysis. EF-Tu (also designated mitochondrial precursor p43) and EF-2 are multidomain GTPases with essential functions in translation, and they both bind to the same site on the ribosome where their low intrinsic GTPase activities are strongly stimulated. EF-Tu plays a central role in the fast and accurate delivery of aminoacyl-tRNAs to the translating ribosome. In addition, EF-Tu protects the aminoester bond against hydrolysis until a correct match between the codon on mRNA and the anticodon on tRNA can be achieved. EF-2 supports the translocation of tRNAs and of mRNAs on the ribosome so that a new codon can be exposed for decoding.

### Overview

Product Name	Anti-YY1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-YY1 Antibody catalog # A00833. Tested in WB,ICC/IF,IHC,IP applications. This antibody reacts with Human,Mouse,Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P25490

### Technical Details

Immunogen	Synthetic peptide, corresponding to amino acids 20-70 of Human eEF2.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	ProA affinity purified

**Suggested Dilutions**

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

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:

WB: 1:1,000-1:2,000

ICC: 1:50-1:200

IHC: 1:50-1:200

## Anti-YY1 Antibody (A00833) Images

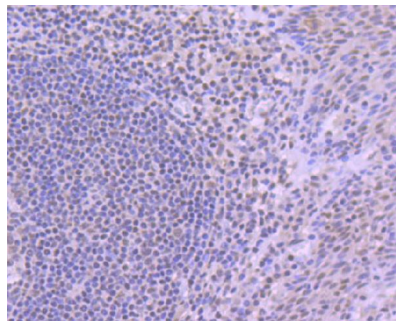


Figure 2. Immunohistochemistry validation of YY1 using Anti-YY1 Antibody (A00833).

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-YY1 antibody. Counter stained with hematoxylin.

For more protocol information of IHC

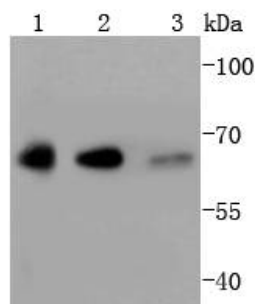


Figure 1. Western blotting validation for Anti-YY1 Antibody A00833

Western blot analysis of YY1 on different lysates using anti-YY1 antibody at 1/1

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-YY1 Antibody