

Anti-NCBP1 Antibody

Catalog Number: A07424-1

About NCBP1

NCBP1, also known as CBP80, is a component of the nuclear cap-binding protein complex (CBC), which binds to the monomethylated 5' cap of nascent pre-mRNA in the nucleoplasm. NCBP1 promotes high-affinity mRNA-cap binding and associates with the CTD of RNA polymerase II. The CBC promotes pre-mRNA splicing, 3'-end processing, RNA nuclear export, and nonsense-mediated mRNA decay (1,2). Recent evidence has shown that cellular-cap-binding proteins such as NCBP1 associate with influenza virus mRNAs, suggesting that these viral mRNAs may follow the normal cellular pathways for splicing, nuclear export, and translation (3).

Overview

Product Name	Anti-NCBP1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NCBP1 Antibody (Catalog # A07424-1). Tested in ELISA, WB, ICC applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, ICC, WB
Clonality	Polyclonal
Formulation	NCBP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	NCBP1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q09161

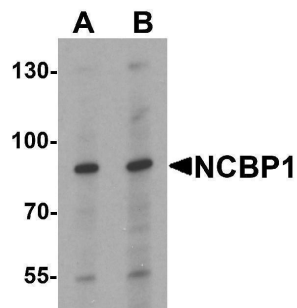
Technical Details

Immunogen	NCBP1 antibody was raised against a 17 amino acid peptide near the center of human NCBP1. The immunogen is located within amino acids 420 - 470 of NCBP1.
Predicted Reactive Species	Chicken
Cross Reactivity	NCBP1 antibody is human, mouse and rat reactive. At least two isoforms of NCBP1 are known to exist; this antibody will detect both isoforms of NCBP1.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	NCBP1 Antibody is affinity chromatography purified via peptide column.

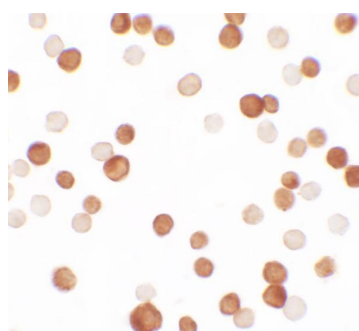
Suggested Dilutions

NCBP1 antibody can be used for detection of NCBP1 by Western blot at 1 - 2 ug/mL.
Antibody validated: Western Blot in human samples and Immunocytochemistry in human samples.
All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-NCBP1 Antibody (A07424-1) Images



Western blot analysis of NCBP1 in HeLa cell lysate with NCBP1 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of NCBP1 in HeLa cells with NCBP1 antibody at 2.5 ug/ml.

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Anti-NCBP1 Antibody

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