

Datasheet for 600-401-CZ3**NCBP1 Antibody****Overview**

Description:	Anti-NCBP1 (RABBIT) Antibody - 600-401-CZ3
Item No.:	600-401-CZ3
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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).
Synonyms:	NCBP1 Antibody, NCBP, Sto1, CBP80, NCBP, Nuclear cap-binding protein subunit 1, 80 kDa nuclear cap-binding protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NCBP1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-NCBP1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the internal region of human NCBP1.

Purity/Specificity: Anti-NCBP1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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.

Relevant Links:

- [UniProtKB - Q09161](#)
- [GeneID - 4686](#)
- [NCBI - NP_002477](#)

Application Details

Tested Applications: ELISA, IHC, WB

Application Note: Anti-NCBP1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 92 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

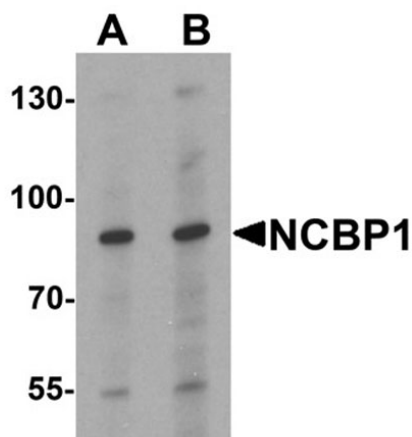
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

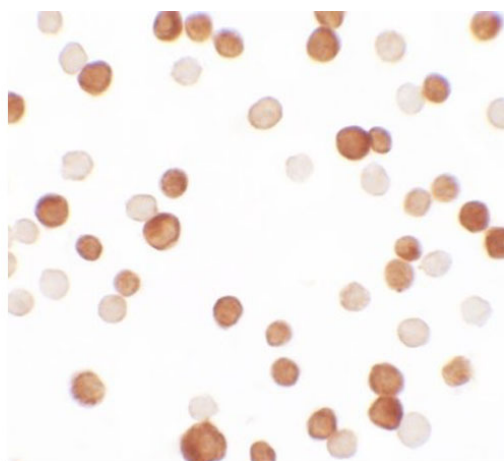


Western Blot

Western blot of NCBP1.

Load: HeLa cell lysate.

Primary Antibody: NCBP1 antibody at (A) 1 and (B) 2 µg/mL.



Immunocytochemistry

Immunocytochemistry of NCBP1.

Cell: HeLa cells.

Primary Antibody: NCBP1 antibody at 2.5 µg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.