

Rabbit NCBP1 Polyclonal Antibody | anti-NCBP1 antibody

NCBP1 Antibody

CATALOG # AAA40516	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

NCBP1; Polyclonal Antibody; NCBP1 Antibody; NCBP; Sto1; CBP80; Nuclear cap-binding protein subunit 1; 80 kDa nuclear cap-binding protein; nuclear cap binding protein subunit 1; 80kDa; anti-NCBP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	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.
Purity/Purification	NCBP1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	790
Applicable Applications for anti-NCBP1 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	NCBP1 antibody was raised against a 17 amino acid peptide near the center of human NCBP1.
Buffer	NCBP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	NCBP1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry of NCBP1 in HeLa cells with NCBP1 antibody at 2.5 μg/mL.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-NCBP1 antibody	NCBP1 Antibody: 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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505343
NCBI GeneID	4686
NCBI Accession #	NP_002477
NCBI GenBank Nucleotide #	NM_002486.4
UniProt Accession #	Q09161; Q59G76; Q5T1V0; Q5T7X2; B2R718
Molecular Weight	Predicted: 87 kDa Observed: 87 kDa
NCBI Official Full Name	nuclear cap-binding protein subunit 1
NCBI Official Synonym Full Names	nuclear cap binding protein subunit 1, 80kDa
NCBI Official Symbol	NCBP1
NCBI Official Synonym Symbols	NCBP; Sto1; CBP80
NCBI Protein Information	nuclear cap-binding protein subunit 1; NCBP 80 kDa subunit; 80 kDa nuclear cap-binding protein; nuclear cap binding protein subunit 1, 80kD
UniProt Protein Name	Nuclear cap-binding protein subunit 1
UniProt Gene Name	NCBP1
UniProt Synonym Gene Names	CBP80; NCBP; CBP80; NCBP 80 kDa subunit
UniProt Entry Name	NCBP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.