

NCBP1/CBP80 Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 80	Source/Isotype: Rabbit	UniProt ID: #Q09161	Entrez-Gene Id: 4686
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Product Usage Information

Application

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

NCBP1/CBP80 recognizes endogenous levels of total NCBP1/CBP80 protein.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val452 of human NCBP1/CBP80 protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

Nuclear cap-binding protein subunit 1 (NCBP1), also known as cap-binding protein 80 (CBP80), plays a role in nuclear pre-mRNA splicing (1,2). It has also been shown to function in the nonsense-mediated decay (NMD) of mRNAs where translation is prematurely terminated (3). NCBP1/CBP80 increases the efficiency of NMD by promoting the interaction of two active NMD components Upf1 and Upf2 (4).

Background References

1. Izaurralde, E. et al. (1994) *Cell* 78, 657-68.
2. Izaurralde, E. et al. (1995) *Nature* 376, 709-12.
3. Ishigaki, Y. et al. (2001) *Cell* 106, 607-17.
4. Hosoda, N. et al. (2005) *Nat Struct Mol Biol* 12, 893-901.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat **Mk:** Monkey

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