

NCBP1/CBP80 (D7Z2Z) Rabbit mAb

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

Product Usage Information**Application**

Western Blotting
Immunoprecipitation
eCLIP

Dilution

1:1000
1:50
1:200

For more information about the RBP-eCLIP service please visit Eclipsebio.

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

NCBP1/CBP80 (D7Z2Z) Rabbit mAb recognizes endogenous levels of total NCBP1/CBP80 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro222 of human NCBP1/CBP80 protein.

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 **eCLIP:** eCLIP

Cross-Reactivity Key

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

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