Store at -20C

#44613

CNOT1 (D5M1K) Rabbit mAb

Cell Signaling
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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): 250, 270	Source/Isotype: Rabbit IgG	UniProt ID: #A5YKK6	Entrez-Gene Id: 23019

Product Usage Information

Application	Dilution
Western Blotting	1:1000
Immunoprecipitation	1:50

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

CNOT1 (D5M1K) Rabbit mAb recognizes endogenous levels of total CNOT1 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val1066 of human CNOT1 protein.

Background

The evolutionarily conserved CCR4-NOT (CNOT) complex regulates mRNA metabolism in eukaryotic cells (1). This regulation occurs at different levels of mRNA synthesis and degradation, including transcription initiation, elongation, deadenylation, and degradation (1). Multiple components, including CNOT1, CNOT2, CNOT3, CNOT4, CNOT6, CNOT6L, CNOT7, CNOT8, CNOT9, and CNOT10 have been identified in this complex (2). In addition, subunit composition of this complex has been shown to vary among different tissues (3).

Background References

1. Denis, C.L. and Chen, J. (2003) *Prog Nucleic Acid Res Mol Biol* 73, 221-50.
2. Lau, N.C. et al. (2009) *Biochem J* 422, 443-53.
3. Chen, C. et al. (2011) *Biochem Biophys Res Commun* 411, 360-4.

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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