



Rabbit Anti-CNOT6 antibody

SL10719R

Product Name:	CNOT6
Chinese Name:	CNOT6蛋白抗体
Alias:	carbon catabolite repression 4 protein; Carbon catabolite repressor protein 4 homolog; CCR4; CCR4 carbon catabolite repression 4 like; CCR4 carbon catabolite repression 4-like; CCR4-NOT transcription complex, subunit 6; CNOT6; Cytoplasmic deadenylase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	63kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CNOT6:221-320/557
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	CNOT6 is a widely expressed subunit of the CCR4-NOT transcription complex. The CCR4-NOT complex is an evolutionarily conserved, multi-component complex known to be involved in transcription as well as mRNA degradation. Various subunits (e.g. CNOT1, CNOT3) are involved in influencing nuclear hormone receptor activities. The CCR4-NOT complex is also involved in the regulation of Histone H3 lysine 4

methylation through a ubiquitin-dependent pathway that likely involves the proteasome. CNOT6 belongs to the CCR4/nocturin family and contains three LRR (leucine-rich) repeats. In the cytoplasm, CNOT6 acts as a poly(A) nuclease involved in mRNA decay mediated by the major-protein-coding determinant of instability (mCRD) of the Fos gene.

Function:

Poly(A) nuclease involved in mRNA decay mediated by the major-protein-coding determinant of instability (mCRD) of the FOS gene in the cytoplasm. Has 3'-5' RNase activity. The CCR4-NOT complex functions as general transcription regulation complex (By similarity). In the presence of ZNF335, enhances ligand-dependent transcriptional activity of nuclear hormone receptors, including RARA. The increase of ligand-dependent ESR1-mediated transcription is much smaller, if any.

Subunit:

Subunit of the CCR4-NOT core complex that contains CHAF1A, CHAF1B, CNOT1, CNOT2, CNOT3, CNOT4, CNOT6 and CNOT8. Interacts with UNR. Interacts with ZNF335.

Subcellular Location:

Cytoplasmic and Nuclear.

Similarity:

Belongs to the CCR4/nocturin family.
Contains 4 LRR (leucine-rich) repeats.

SWISS:

Q9ULM6

Gene ID:

57472

Database links:

[Entrez Gene: 57472](#)Human

[Entrez Gene: 104625](#)Mouse

[Entrez Gene: 287249](#)Rat

[Omim: 608951](#)Human

[SwissProt: Q9ULM6](#)Human

[SwissProt: Q8K3P5](#)Mouse

[SwissProt: Q6AXU9](#)Rat

[Unigene: 608380](#)Human

[Unigene: 247113](#)Mouse

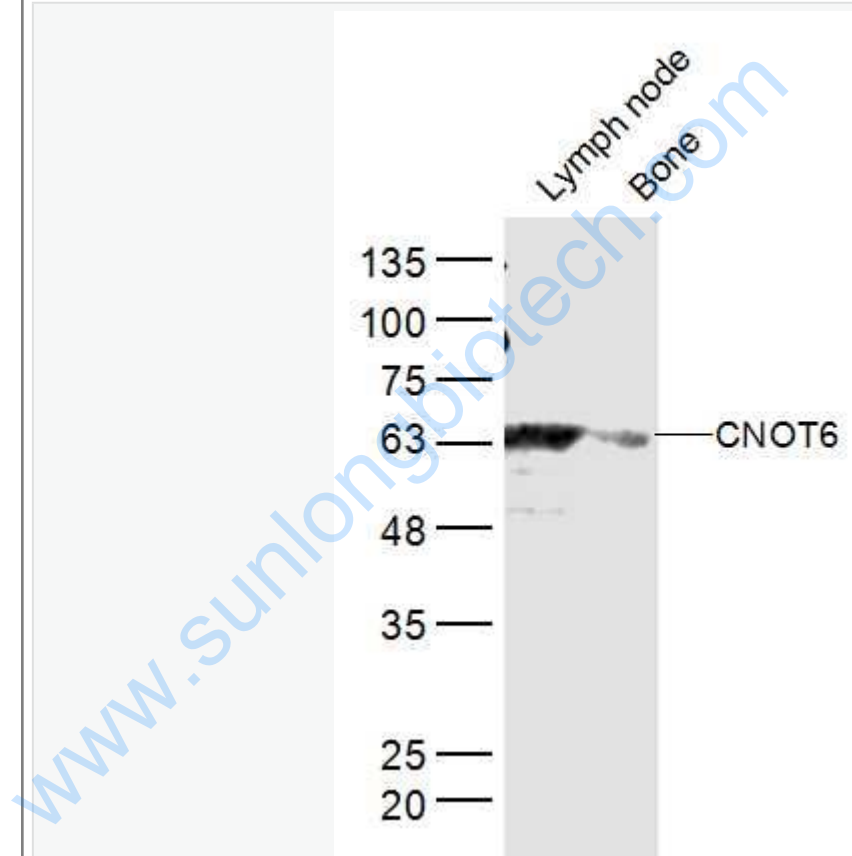
[Unigene: 431753](#)Mouse

[Unigene: 93562](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Lymph node (Mouse) Lysate at 40 ug

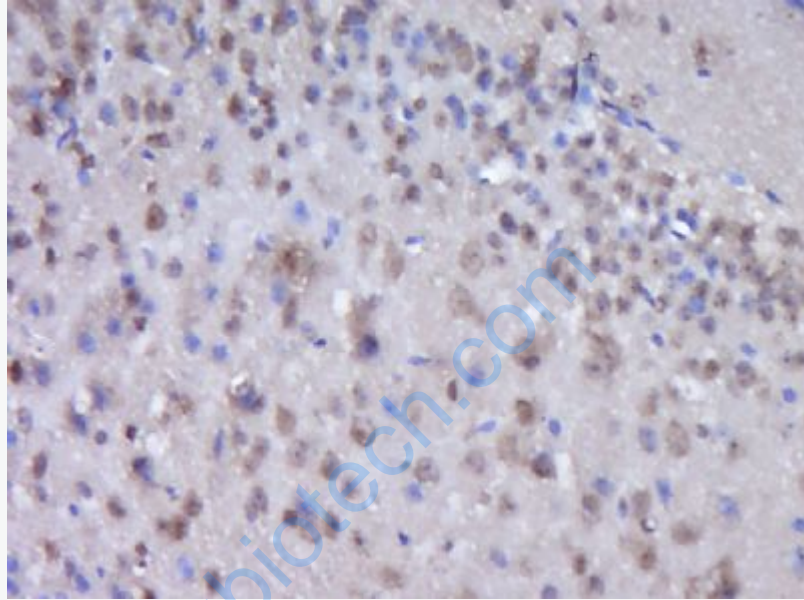
Bone (Mouse) Lysate at 40 ug

Primary: Anti-CNOT6 (SL10719R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 63 kD

Observed band size: 63 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CNOT6) Polyclonal Antibody, Unconjugated (SL10719R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.