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[Marker Primary Antibody]

Rabbit Anti-CNOT6/AF594 Conjugated antibody

Catalog Number: SL20636R-AF594

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-CNOT6/AF594
Immunogen:	KLH conjugated synthetic peptide derived from human CNOT6
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Pig,Cow,Horse,Sheep)
Background:	background: 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

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	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. **Database links:** **Entrez Gene:** 481463 Dog **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.