

## Rabbit Anti-CNOT2/Cy5 Conjugated antibody

SL9383R-Cy5

<b>Product Name</b>	Anti-CNOT2/Cy5
<b>Chinese Name</b>	Cy5 标记的细胞表面 Chemokine 受体 4 相关蛋白 2 抗体
<b>Alias</b>	CCR4 associated factor 2; CCR4 NOT transcription complex subunit 2; CCR4-associated factor 2; CCR4-NOT transcription complex subunit 2; CDC36; CNOT2; CNOT2_HUMAN; HSPC131; MSTP046; Negative regulator of transcription 2; NOT2 (negative regulator of transcription 2 yeast) homolog; NOT2; NOT2H.
<b>Research Area</b>	Cell biology Epigenetics
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human,Mouse(predicted:Rat,Pig,Cow,Horse) IF=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	59kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human CNOT2
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	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.
<b>Product Detail</b>	<b>background:</b> CNOT2 (CCR4-NOT transcription complex subunit 2) is a ubiquitous protein encoded by the human gene CNOT2. CNOT2 belongs to the CNOT2/3/5 family and is part of the CCR4-NOT 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, CNOT2) 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. Increased expression of the CNOT2 subunit acts to strongly repress transcription by RNA polymerase II. This repressive effect is mediated by a conserved NOT-Box, which is located at the C-terminus of CNOT2 proteins. Repression by the NOT-Box is sensitive to treatment with the histone deacetylase (HDAC) inhibitor trichostatin A.

**Subcellular Location:**

Cytoplasm. Nucleus.

**Tissue Specificity:**

Ubiquitous. Highly expressed in brain, heart, thymus, spleen, kidney, liver, small intestine, placenta, lung and peripheral blood leukocytes.

**Database links:**

[Entrez Gene: 4848](#) Human

[Entrez Gene: 72068](#) Mouse

[Omim: 604909](#) Human

[SwissProt: Q9NZN8](#) Human

**Important Note:**

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