Best Tools for immunology Research

CNOT2 (phospho Ser101) Polyclonal Antibody

Catalog No :	YP1105
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;ELISA
Target :	CNOT2
Fields :	>>RNA degradation
Gene Name :	CNOT2
Protein Name :	CCR4-NOT transcription complex subunit 2
Human Gene Id :	4848
Human Swiss Prot No :	Q9NZN8
Mouse Gene Id :	72068
Mouse Swiss Prot No :	Q8C5L3
Immunogen :	The antiserum was produced against synthesized peptide derived from human CNOT2 around the phosphorylation site of Ser101. AA range:67-116
Specificity :	Phospho-CNOT2 (S101) Polyclonal Antibody detects endogenous levels of CNOT2 protein only when phosphorylated at S101.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 60kD

Cell Pathway : RNA degradation;

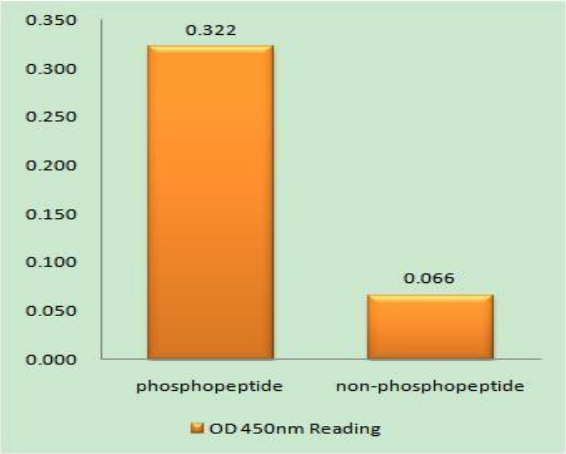
Background : CCR4-NOT transcription complex subunit 2(CNOT2) Homo sapiens This gene encodes a subunit of the multi-component CCR4-NOT complex. The CCR4-NOT complex regulates mRNA synthesis and degradation and is also thought to be involved in mRNA splicing, transport and localization. The encoded protein interacts with histone deacetylases and functions as a repressor of polymerase II transcription. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Dec 2010],

Function : function:The CCR4-NOT complex functions as general transcription regulation complex.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the CNOT2/3/5 family.,subunit:Subunit of the CCR4-NOT core complex that contains CHAF1A, CHAF1B, CNOT1, CNOT2, CNOT3, CNOT4, CNOT6 and CNOT8.,tissue specificity:Ubiquitous. Highly expressed in brain, heart, thymus, spleen, kidney, liver, small intestine, placenta, lung and peripheral blood leukocytes.,

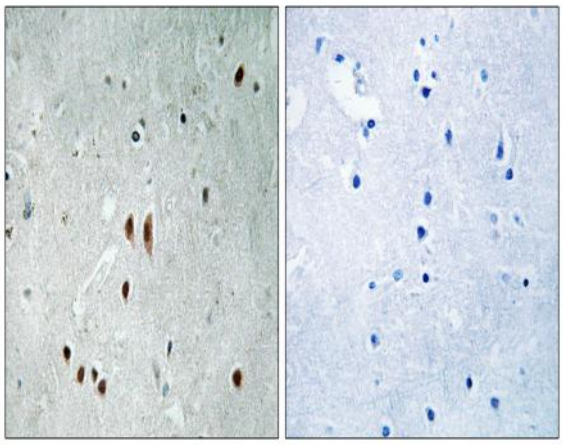
Subcellular Location : Cytoplasm . Nucleus .

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

Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using CNOT2 (Phospho-Ser101) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using CNOT2 (Phospho-Ser101) Antibody. The picture on the right is blocked with the phospho peptide.