CNOT1 Polyclonal ANTIBODY

Catalog Number: 14276-1-AP

Basic Information

Catalog Number: 14276-1-AP

GenBank Accession Number: BC040523

GeneID (NCBI): 23019

Purification Method: Antigen affinity purification

Immunogen Catalog Number: AG5623

GenBank Accession Number: BC040523

GeneID (NCBI): 23019

Isotype: IgG

Full Name: CCR4-NOT transcription complex, subunit 1

Purification Method: Antigen affinity purification

Immunogen Catalog Number: AG5623

GenBank Accession Number: BC040523

GeneID (NCBI): 23019

Calculation MW: 267 kDa

Observed MW: 240-250 kDa, 174 kDa

Recommended Dilutions:

WB: 1:500-1:1000

IP: 0.5-4.0 μg for IP and 1:500-1:1000 for WB

IHC: 1:50-1:500

Applications

Tested Applications: IHC, IP, WB, ELISA

Cited Applications: CoIP, IHC, IP, WB

Species Specificity: human, mouse

Cited Species: human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

CNOT1 is a component of CCR4-NOT protein complex, which is a regulator of RNA polymerase II transcription, acts as a transcription repressor. CCR4-NOT complex could participate in transcription as well as mRNA degradation. It's highly expressed in brain, heart, thymus, but weak in skeletal muscle and colon. CNOT1 undergoes alternative splicing to produce four isoforms. This is a rabbit polyclonal antibody raised against part chain of C-terminal CNOT1 of human origin. CNOT1 exists as many isoforms and molecular weight of isoforms are 267, 241 and 173 kDa.

Notable Publications

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<th>Author</th>
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<td>Tamiko Nishimura</td>
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<td>S J Tavernier</td>
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Storage

Storage: Store at -20°C. Stable for one year after shipment.

Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For Research Use Only

For technical support and original validation data for this product please contact:

T 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 405-8458 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
WB result of CNOT1 antibody (14276-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNOT1 transfected HeLa cells.

Human brain tissue were subjected to SDS PAGE followed by western blot with 14276-1-AP(CNOT1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.

IP Result of anti-CNOT1 (IP: 14276-1-AP, 5ug; Detection: 14276-1-AP 1:500) with mouse kidney tissue lysate 4000ug.

Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 14276-1-AP (CNOT1 Antibody) at dilution of 1:200 (under 10x lens).