

## CNOT1 Polyclonal Antibody

Catalog number: 14276-1-AP

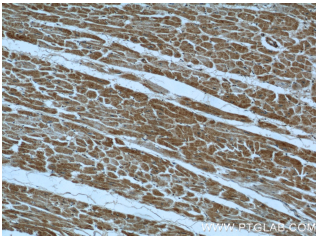
Size: 20 µg/150 µl

Source: Rabbit

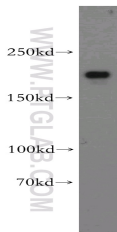
Isotype: IgG

Synonyms:

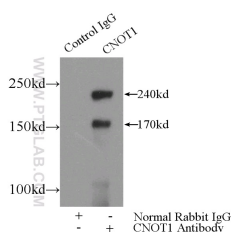
CNOT1; AD 005, CCR4 associated factor 1, CDC39, CNOT1, DKFZp686E0722, DKFZp686O168, FLJ36492, FLJ90644, hNOT1, KIAA1007, NOT1, NOT1H



Immunohistochemical of paraffin-embedded human heart using 14276-1-AP(CNOT1 antibody) at dilution of 1:50 (under 10x lens)



human brain tissue were subjected to SDS PAGE followed by western blot with 14276-1-AP(CNOT1 antibody) at dilution of 1:800



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

### Background

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. The isoform one is about 267 kDa and the isoform four is about 173 kDa.

### Applications

Tested applications:	ELISA, IHC, WB, IP
Cited applications:	IP, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated CNOT1 MW:	267 kDa
Observed CNOT1 MW:	240-250 kDa, 174 kDa
Positive WB detected in	Human brain tissue, HEK293 cells, HEK-293 cells, mouse brain tissue, mouse heart tissue, mouse kidney tissue, mouse liver tissue, mouse spleen tissue, mouse thymus tissue
Positive IP detected in	Mouse kidney tissue
Positive IHC detected in	Human heart tissue, human kidney tissue, human spleen tissue
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag5623
GenBank accession number:	BC040523
Gene ID (NCBI):	23019
Full name:	CCR4-NOT transcription complex, subunit 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.