Datasheet for ABIN6138777

anti-CNOT1 antibody (AA 2137-2376)

2 Images

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Overview

Quantity:	100 µL
Target:	CNOT1
Binding Specificity:	AA 2137-2376
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNOT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 2137-2376 of human CNOT1 (NP_057368.3).
Sequence:	PRNMRLPDPF TPNLKVDMLS EINIAPRILT NFTGVMPPQF KKDLDSYLKT RSPVTFLSDL RSNLQVSNEP GNRYNLQLIN ALVLYVGTQA IAHIHNKGST PSMSTITHSA HMDIFQNLAV DLDTEGRYLF LNAIANQLRY PNSHTHYFSC TMLYLFAEAN TEAIQEQITR VLLERLIVNR PHPWGLLITF IELIKNPAFK FWNHEFVHCA PEIEKLFQSV AQCCMGQKQA QQVMEGTGAS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CNOT1
Alternative Name:	CNOT1 (CNOT1 Products)
Background:	Scaffolding component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. Its scaffolding function implies its interaction with the catalytic complex module and diverse RNA-binding proteins mediating the complex recruitment to selected mRNA 3'UTRs. Involved in degradation of AU-rich element (ARE-containing mRNAs probably via association with ZFP36. Mediates the recruitment of the CCR4-NOT complex to miRNA targets and to the RISC complex via association with TNRC6A, TNRC6B or TNRC6C. Acts as a transcriptional repressor. Represses the ligand-dependent transcriptional activation by nuclear receptors. Involved in the maintenance of embryonic stem (ES cell identity.,CNOT1,AD-005,CDC39,NOT1,NOT1H,Epigenetics & Nuclear Signaling,RNA Binding,CNOT1
Molecular Weight:	173 kDa/241 kDa/266 kDa
Gene ID:	23019
UniProt:	A5YKK6
Pathways:	Retinoic Acid Receptor Signaling Pathway, Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Nuclear Hormone Receptor Binding, Stem Cell Maintenance

Application Details

Application Notes:	WB,1:200 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

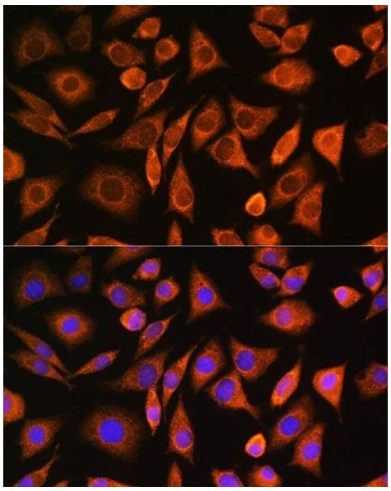
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

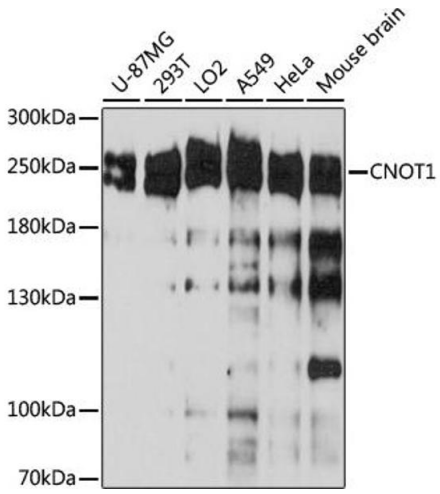
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using CNOT1 Rabbit pAb (ABIN6127561, ABIN6138777, ABIN6138778 and ABIN6221649) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell line, using CNOT1 antibody (ABIN6127561, ABIN6138777, ABIN6138778 and ABIN6221649) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.