

**CNOT7 rabbit pAb****Cat#: orb764889 (Manual)**

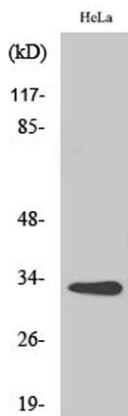
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	CNOT7 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CNOT7. AA range:10-59
<b>Specificity</b>	CNOT7 Polyclonal Antibody detects endogenous levels of CNOT7 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	CCR4-NOT transcription complex subunit 7
<b>Gene Name</b>	CNOT7
<b>Cellular localization</b>	Nucleus. Cytoplasm, P-body . NANOS2 promotes its localization to P-body. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

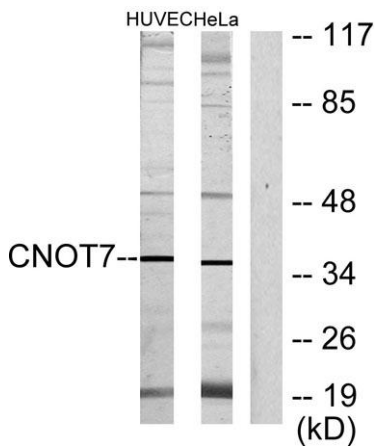
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	36kD
<b>Human Gene ID</b>	29883
<b>Human Swiss-Prot Number</b>	Q9UIV1
<b>Alternative Names</b>	CNOT7; CAF1; CCR4-NOT transcription complex subunit 7; BTG1-binding factor 1; CCR4-associated factor 1; CAF-1

## Background

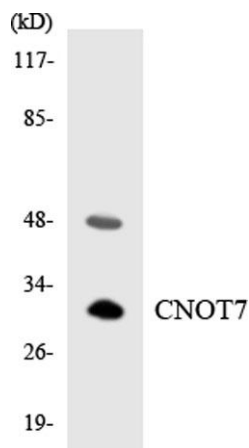
CCR4-NOT transcription complex subunit 7(CNOT7) Homo sapiens  
The protein encoded by this gene binds to an anti-proliferative protein, B-cell translocation protein 1, which negatively regulates cell proliferation. Binding of the two proteins, which is driven by phosphorylation of the anti-proliferative protein, causes signaling events in cell division that lead to changes in cell proliferation associated with cell-cell contact. The encoded protein downregulates the innate immune response and therefore provides a therapeutic target for enhancing its antimicrobial activity against foreign agents. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1 and X. [provided by RefSeq, Apr 2016],



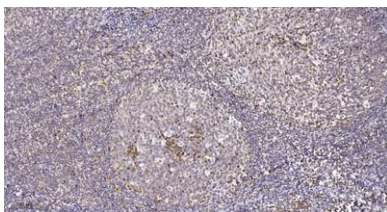
**Western Blot analysis of various cells using CNOT7 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventibiotech, MN, USA).**



Western blot analysis of lysates from HeLa and HUVEC cells, using CNOT7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using CNOT7 antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH 9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4°C overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).