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# Datasheet for ABIN951587 anti-CNOT7 antibody (N-Term)

3 Images



### Overview

Quantity:	0.4 mL
Target:	CNOT7
Binding Specificity:	AA 41-68, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNOT7 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 41-68 amino acids from the N-terminal region of human CAF-1
lsotype:	Ig Fraction
Specificity:	This antibody reacts to CAF-1.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A
Target Details	

Target:	CNOT7
Alternative Name:	CNOT7 (CNOT7 Products)

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## Target Details

Background:	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 protein
	has both mouse and yeast orthologs. Alternate splicing of this gene results in two transcript
	variants encoding different isoforms.Synonyms: BTG1-binding factor 1, CAF1, CCR4-NOT
	transcription complex subunit 7, CCR4-associated factor 1
Molecular Weight:	32745 Da
Gene ID:	29883
NCBI Accession:	NP_037486
Pathways:	Ribonucleoprotein Complex Subunit Organization

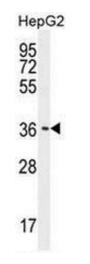
## Application Details

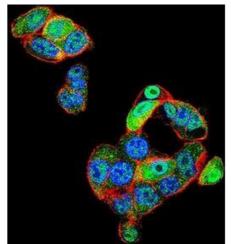
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

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#### Western Blotting

**Image 1.** CAF-1 Antibody (N-term) western blot analysis in HepG2 cell line lysates (35µg/lane).This demonstrates the CAF-1 antibody detected the CAF-1 protein (arrow).

#### Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of CAF-1 Antibody (N-term)(Cat#AP50712PU-N) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).

#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** CAF-1 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CAF-1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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