

INT10 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9925b**Specification**

INT10 Antibody (C-term) - Product Information

Application	FC, WB,E
Primary Accession	Q9NVR2
Other Accession	Q4R7B1
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	82236
Antigen Region	516-545

INT10 Antibody (C-term) - Additional Information**Gene ID** 55174**Other Names**

Integrator complex subunit 10, Int10, INTS10, C8orf35

Target/Specificity

This INT10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 516-545 amino acids from the C-terminal region of human INT10.

Dilution

FC~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

INT10 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

INT10 Antibody (C-term) - Protein Information**Name** INTS10 {ECO:0000303|PubMed:38823386, ECO:0000312|HGNC:HGNC:25548}

Function Component of the integrator complex, a multiprotein complex that terminates RNA polymerase II (Pol II) transcription in the promoter-proximal region of genes (PubMed:[38570683](#), PubMed:[38823386](#)). The integrator complex provides a quality checkpoint during transcription elongation by driving premature transcription termination of transcripts that are unfavorably configured for transcriptional elongation: the complex terminates transcription by (1) catalyzing dephosphorylation of the C-terminal domain (CTD) of Pol II subunit POLR2A/RPB1 and SUPT5H/SPT5, (2) degrading the exiting nascent RNA transcript via endonuclease activity and (3) promoting the release of Pol II from bound DNA (PubMed:[38570683](#)). The integrator complex is also involved in terminating the synthesis of non-coding Pol II transcripts, such as enhancer RNAs (eRNAs), small nuclear RNAs (snRNAs), telomerase RNAs and long non-coding RNAs (lncRNAs) (PubMed:[16239144](#), PubMed:[32647223](#)). Within the integrator complex, INTS10 is part of the integrator tail module that acts as a platform for the recruitment of transcription factors at promoters (PubMed:[38823386](#)). May be not involved in the recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the integrator complex (PubMed:[23904267](#)).

Cellular Location

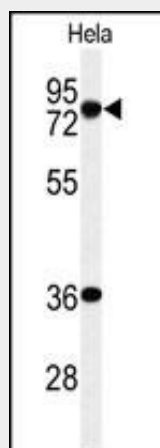
Nucleus

INT10 Antibody (C-term) - Protocols

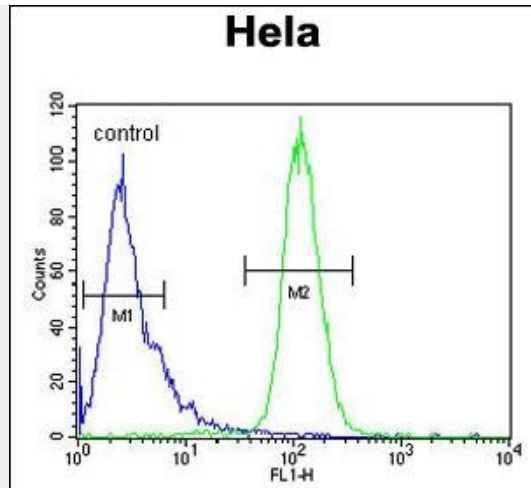
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

INT10 Antibody (C-term) - Images



Western blot analysis of INT10 Antibody (C-term) (Cat. #AP9925b) in HeLa cell line lysates (35ug/lane). INT10 (arrow) was detected using the purified Pab.



INT10 Antibody (C-term) (Cat. #AP9925b) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

INT10 Antibody (C-term) - Background

INTS10 is a subunit of the Integrator complex, which associates with the C-terminal domain of RNA polymerase II large subunit (POLR2A; MIM 180660) and mediates 3-prime end processing of small nuclear RNAs U1.

INT10 Antibody (C-term) - References

Lasky-Su, J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1345-1354 (2008)
Kooner, J.S., et al. Nat. Genet. 40(2):149-151(2008)
Baillat, D., et al. Cell 123(2):265-276(2005)
Yuryev, A., et al. Genomics 81(2):112-125(2003)