

INTS10 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15855**Specification**

INTS10 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9NVR2
Other Accession	NM_018142 , NP_060612
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82kDa kDa

INTS10 Antibody - C-terminal region - Additional Information**Gene ID** 55174**Alias Symbol** C8orf35, INT10**Other Names**

Integrator complex subunit 10, Int10, INTS10, C8orf35

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-INTS10 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

INTS10 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

INTS10 Antibody - C-terminal region - 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

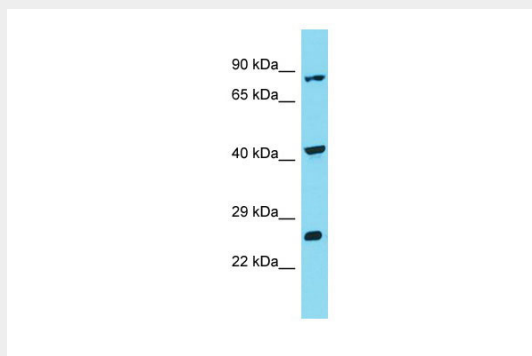
Nucleus

INTS10 Antibody - C-terminal region - 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](#)

INTS10 Antibody - C-terminal region - Images



Host: Rabbit

Target Name: INTS10

Sample Tissue: ACHN Whole cell lysate

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Antibody Dilution: 1.0µg/ml

INTS10 Antibody - C-terminal region - Background

Component of the Integrator complex, a complex involved in the small nuclear RNAs (snRNA) U1 and U2 transcription and in their 3'-box-dependent processing. The Integrator complex is associated

with the C-terminal domain (CTD) of RNA polymerase II largest subunit (POLR2A) and is recruited to the U1 and U2 snRNAs genes.

INTS10 Antibody - C-terminal region - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Baillat D.,et al.Cell 123:265-276(2005).
Daub H.,et al.Mol. Cell 31:438-448(2008).