

**INTS6 Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21956a****Specification**

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**INTS6 Antibody (N-Term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9UL03</a>
Other Accession	<a href="#">Q5JSJ4</a> , <a href="#">Q8BND4</a> , <a href="#">Q2TAF4</a> , <a href="#">Q5U4W6</a> , <a href="#">Q7SYD9</a> , <a href="#">Q6PCM2</a>
Reactivity	Human
Predicted	Xenopus, Mouse, Zebrafish
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG

**INTS6 Antibody (N-Term) - Additional Information****Gene ID** 26512**Other Names**

Integrator complex subunit 6, Int6, DBI-1, Protein DDX26, Protein deleted in cancer 1, DICE1, INTS6, DBI1, DDX26, DDX26A

**Target/Specificity**

This INTS6 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 135-167 amino acids from human INTS6.

**Dilution**

WB~~1:2000

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**

INTS6 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**INTS6 Antibody (N-Term) - Protein Information****Name** INTS6 {ECO:0000303|PubMed:33243860, ECO:0000312|HGNC:HGNC:14879}

**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:[33243860](#), PubMed:[34004147](#), PubMed:[39504960](#)). 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 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:[33243860](#), PubMed:[34004147](#), PubMed:[38570683](#), PubMed:[39504960](#)). 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](#)). Within the integrator complex, INTS6 acts as a molecular adapter that promotes assembly of protein phosphatase 2A (PP2A) subunits to the integrator core complex, promoting recruitment of PP2A to transcription pause- release checkpoint (PubMed:[33243860](#), PubMed:[34004147](#)). Mediates recruitment of cytoplasmic dynein to the nuclear envelope, probably as component of the integrator complex (PubMed:[23904267](#)). May have a tumor suppressor role; an ectopic expression suppressing tumor cell growth (PubMed:[15254679](#), PubMed:[16239144](#)).

#### **Cellular Location**

Nucleus. Chromosome Note=Associates with chromatin and transcription pause-release checkpoint.

#### **Tissue Location**

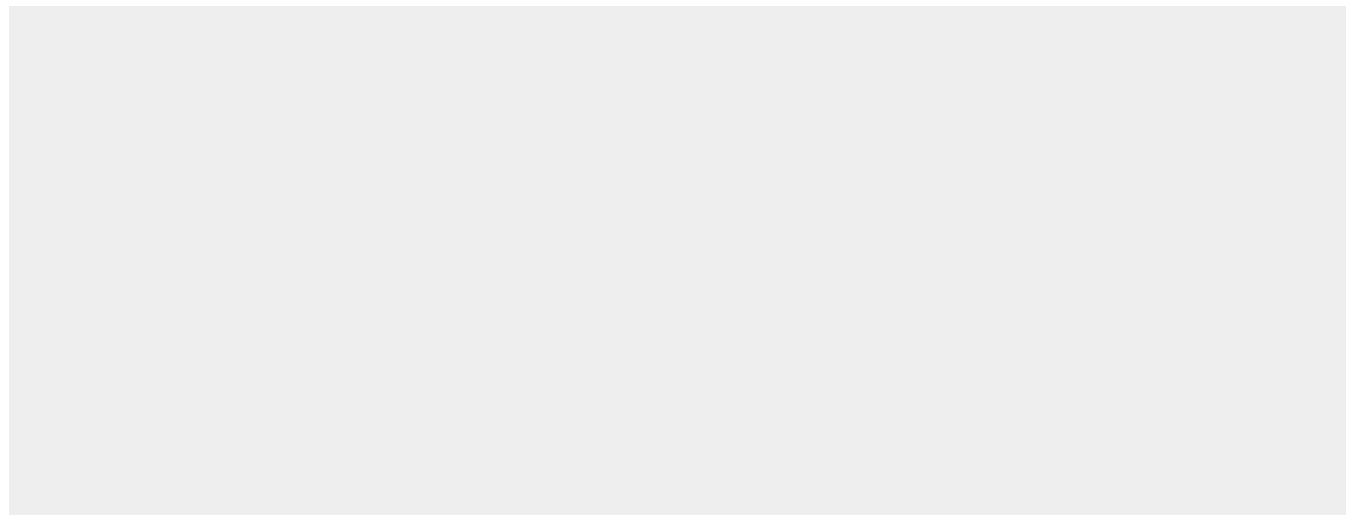
Widely expressed. Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

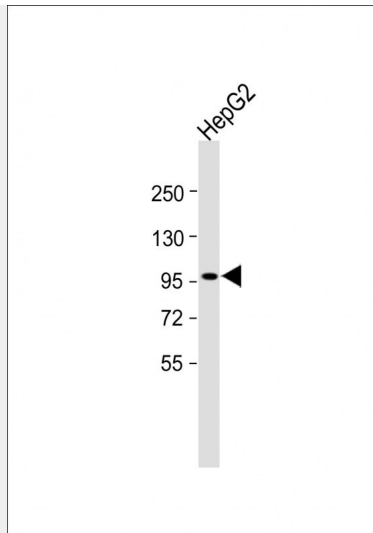
### **INTS6 Antibody (N-Term) - Protocols**

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

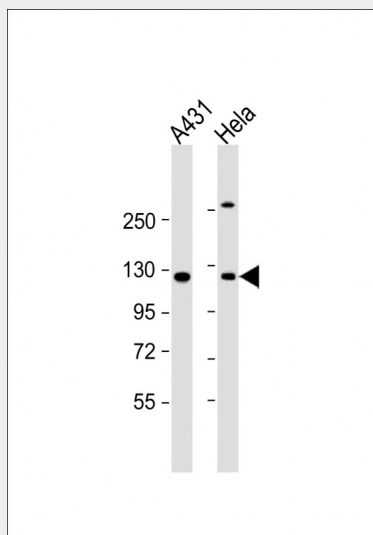
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **INTS6 Antibody (N-Term) - Images**





All lanes : Anti-INTS6 Antibody (N-Term) at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 100kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-INTS6 Antibody (N-Term) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 100 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### INTS6 Antibody (N-Term) - 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. May have a tumor suppressor role; an ectopic expression suppressing tumor cell growth.

### INTS6 Antibody (N-Term) - References

Wieland I., et al. Oncogene 18:4530-4537(1999).  
Bechtel S., et al. BMC Genomics 8:399-399(2007).

Dunham A.,et al.Nature 428:522-528(2004).

Hoff H.B. III,et al.Submitted (APR-1999) to the EMBL/GenBank/DDBJ databases.

Wieland I.,et al.Oncol. Res. 12:491-500(2001).