

INTS10/C8orf35 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56976

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9NVR2
Reactivity	Rat, Pig, Cynomolgus, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82236

Additional Information

Gene ID	55174
Other Names	Integrator complex subunit 10, Int10, INTS10, C8orf35
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.