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FLJ20530/C8orf52 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56125

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q75QN2
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	113088

Additional Information

Gene ID	55656
Other Names	Integrator complex subunit 8, Int8, Protein kaonashi-1, INTS8, C8orf52
Dilution	WB=1:500-2000,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	INTS8 {ECO:0000303|PubMed:34004147, ECO:0000312|HGNC:HGNC:26048}
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:28542170, PubMed:33243860, PubMed:34004147, PubMed:37080207, PubMed:38570683). 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:33243860, PubMed:34004147, 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). Within the integrator complex, INTS8 is required for the recruitment of protein phosphatase 2A (PP2A) to transcription pause-release checkpoint (PubMed:32966759, PubMed:33243860, PubMed:34004147, PubMed:37080207).

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

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