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SART3 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI11498

Product Information

Application	WB
Primary Accession	Q15020
Other Accession	NM_014706, NP_055521
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	109935

Additional Information

Gene ID	9733
Alias Symbol	KIAA0156, MGC138188, RP11-13G14, TIP110, p110(nrb), P100, p110, DSAP1
Other Names	Squamous cell carcinoma antigen recognized by T-cells 3, SART-3 {ECO:0000312|EMBL:BAA78384.1}, Tat-interacting protein of 110 kDa, Tip110, p110 nuclear RNA-binding protein, SART3 (HGNC:16860)
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-SART3 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	SART3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SART3 (HGNC:16860)
Function	U6 snRNP-binding protein that functions as a recycling factor of the splicing machinery. Promotes the initial reassembly of U4 and U6 snRNPs following their ejection from the spliceosome during its maturation (PubMed:12032085). Also binds U6atac snRNPs and may function as a recycling factor for U4atac/U6atac spliceosomal snRNP, an initial step in the assembly of U12-type spliceosomal complex. The U12-type spliceosomal complex plays a role in the splicing of introns with non- canonical splice sites (PubMed:14749385). May also function as a substrate-targeting factor for deubiquitinases like USP4 and USP15. Recruits USP4 to ubiquitinated PRPF3

within the U4/U5/U6 tri-snRNP complex, promoting PRPF3 deubiquitination and thereby regulating the spliceosome U4/U5/U6 tri-snRNP spliceosomal complex disassembly (PubMed:20595234). May also recruit the deubiquitinase USP15 to histone H2B and mediate histone deubiquitination, thereby regulating gene expression and/or DNA repair (PubMed:24526689). May play a role in hematopoiesis probably through transcription regulation of specific genes including MYC (By similarity).

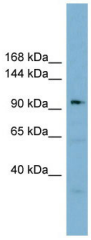
Cellular Location Nucleus, nucleoplasm. Nucleus, Cajal body. Nucleus speckle. Cytoplasm

Tissue Location Ubiquitously expressed.

References

Ewing,R.M., Mol. Syst. Biol. 3, 89 (2007)Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-SART3 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: HT1080 cell lysate
SART3 is strongly supported by BioGPS gene expression data to be expressed in Human HT1080 cells

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