

**SART3 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58570****Specification****SART3 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">Q15020</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	109935

**SART3 Polyclonal Antibody - Additional Information****Gene ID** 9733**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 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=16860](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=16860))  
HGNC:16860

**Dilution**

WB ~ 1:1000  
IHC-P ~ N/A  
IHC-F ~ N/A  
IF ~ 1:50 ~ 200  
E ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**SART3 Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/14749385" target="\_blank">14749385</a>). 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:<a href="http://www.uniprot.org/citations/20595234" target="\_blank">20595234</a>). May also recruit the deubiquitinase USP15 to histone H2B and mediate histone deubiquitination, thereby regulating gene expression and/or DNA repair (PubMed:<a href="http://www.uniprot.org/citations/24526689" target="\_blank">24526689</a>). 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.

**SART3 Polyclonal Antibody - 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](#)

**SART3 Polyclonal Antibody - Images**