

SART3 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI11498**Specification**

SART3 antibody - middle region - Product Information

Application	WB
Primary Accession	Q15020
Other Accession	NM_014706 , NP_055521
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	110kDa KDa

SART3 antibody - middle region - 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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=16860)
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.

SART3 antibody - middle region - 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

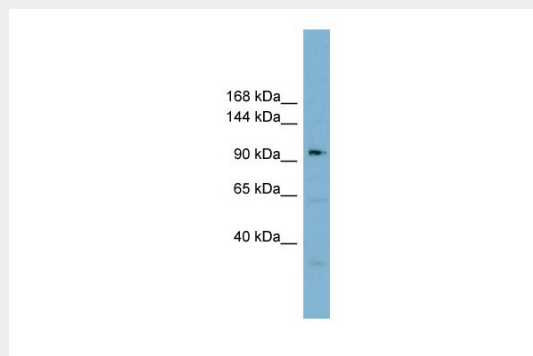
Ubiquitously expressed.

SART3 antibody - middle region - 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 antibody - middle region - 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

SART3 antibody - middle region - 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.