

SART3 antibody - middle region

Rabbit Polyclonal Antibody Catalog # Al11498

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 (<a

href="http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=16860"

target="_blank">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 Cytomety
- 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 Ivsate

SART3 is strongly supported by BioGPS gene expression data to be expressed in Human HT1080

cells





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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.