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SART1 Recombinant Rabbit mAb

Catalog # AP100059

Product Information

Application	WB
Primary Accession	O43290
Other Accession	O43290
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Recombinant
Calculated MW	90255
Physical State	Liquid
Immunogen	A synthesized peptide derived from human SART1
Epitope Specificity	660-735/800
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the SNU66/SART1 family.
SUBUNIT	Identified in the spliceosome C complex. Part of a tri-snRNP complex.
Post-translational modifications	Sumoylated with SUMO2. Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Plays a role in mRNA splicing as a component of the U4/U6-U5 tri-snRNP, one of the building blocks of the spliceosome. May also bind to DNA.

Additional Information

Gene ID	9092
Other Names	SNUT1_HUMAN; SART1; SNU66 homolog (hSnu66); Squamous cell carcinoma antigen recognized by T-cells 1 (SART-1 | hSART-1); U4/U6.U5 tri-snRNP-associated 110 kDa protein; Ara1; HAF; HOMS1; SART1259; SNRNP110; Snu66; spliceosome associated factor 1, recruiter of U4/U6.U5 tri-snRNP; squamous cell carcinoma antigen recognised by T cells; squamous cell carcinoma antigen recognized by T cells 1; squamous cell carcinoma antigen recognized by T-cells 1; SART1, U4/U6.U5 tri-snRNP-associated protein 1; small nuclear ribonucleoprotein 110kDa (U4/U6.U5); hypoxia associated factor
Dilution	WB=1:500-2000,ICC/IF=1:50-200,Flow-Cyt=1:50-100
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	SART1
Function	Plays a role in mRNA splicing as a component of the U4/U6-U5 tri-snRNP, one of the building blocks of the spliceosome. May also bind to DNA.
Cellular Location	Nucleus. Note=Found in the nucleus of mitogen- activated peripheral blood mononuclear cells (PBMCs), tumor cells, or normal cell lines, but not in normal tissues except testis and fetal liver or in unstimulated PBMCs, suggesting preferential expression in proliferating cells
Tissue Location	Ubiquitously expressed.

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