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anti-SART3 antibody (Middle Region)



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Publication



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Quantity:	100 μL
Target:	SART3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Guinea Pig, Dog, Horse, Cow, Rabbit, Zebrafish (Danio rerio), Saccharomyces cerevisiae
	Saccilatorryces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SART3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SART3	
Sequence:	VKDLRLVTNR AGKPKGLAYV EYENESQASQ AVMKMDGMTI KENIIKVAIS	
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 91%, Zebrafish: 77%	
Characteristics:	This is a rabbit polyclonal antibody against SART3. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	

Target Details

Torgot	SART3	
Target:	SARTS	

Alternative Name:	SART3 (SART3 Products)		
Background:	SART3 is an RNA-binding nuclear protein that is a tumor-rejection antigen. This antigen		
	possesses tumor epitopes capable of inducing HLA-A24-restricted and tumor-specific cytotoxic		
	T lymphocytes in cancer patients and may be useful for specific immunotherapy. SART3 is		
	found to be an important cellular factor for HIV-1 gene expression and viral replication. It also		
	associates transiently with U6 and U4/U6 snRNPs during the recycling phase of the		
	spliceosome cycle. This protein is thought to be involved in the regulation of mRNA splicing.		
	The protein encoded by this gene is an RNA-binding nuclear protein that is a tumor-rejection		
	antigen. This antigen possesses tumor epitopes capable of inducing HLA-A24-restricted and		
	tumor-specific cytotoxic T lymphocytes in cancer patients and may be useful for specific		
	immunotherapy. This gene product is found to be an important cellular factor for HIV-1 gene		
	expression and viral replication. It also associates transiently with U6 and U4/U6 snRNPs		
	during the recycling phase of the spliceosome cycle. This encoded protein is thought to be		
	involved in the regulation of mRNA splicing. Publication Note: This RefSeq record includes a		
	subset of the publications that are available for this gene. Please see the Entrez Gene record to		
	access additional publications.		
	Alias Symbols: KIAA0156, MGC138188, RP11-13G14, TIP110, p110(nrb), P100, p110, DSAP1		
	Protein Interaction Partner: APBB1, PRPF3, Usp15, AMOT, SF3B1, NUP160, LRPPRC, THRAP3,		
	BCLAF1, VARS, UBC, SUMO2, RAB1A, NEFM, IARS, HIF1A, DSG2, DHX9, MEPCE, HIST2H2BE,		
	HIST2H2AC, RNF2, BMI1, RUFY1, NRBP1, PSME4, AKAP2, COPS5, NUP50, POP7, ARHGEF10,		
	PSMB3, PSMA5, PSMA3, POLR2H, CAST,		
	Protein Size: 963		
Molecular Weight:	110 kDa		
Gene ID:	9733		
NCBI Accession:	NM_014706, NP_055521		
UniProt:	Q15020		
Pathways:	Ribonucleoprotein Complex Subunit Organization		
Application Details			
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.		
Comment:	Antigen size: 963 AA		

Handling

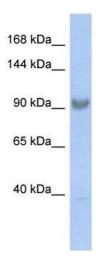
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:

Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: **Molecular systems biology**, Vol. 3, pp. 89, (2007) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-SART3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Small Intestine