

#15729 Store at -20°C

## SV40 Large T Antigen (D1E9E) Rabbit mAb



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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP, IF-IC	Vir	Endogenous	90	Rabbit IgG	#P03070	29031019

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
	Immunoprecipitation	1:50
	Immunofluorescence (Immunocytochemistry)	1:100 - 1:400
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	SV40 Large T Antigen (D1E9E) Rabbit mAb recognizes transgenic levels of total SV40 Large T Antigen protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys315 of SV40 Large T Antigen protein.	
Background	Simian Virus 40 (SV40) is a small double-stranded, circular DNA tumor virus encoding three tumor antigens: large T, Small T, and 17KT. These antigens contribute to cellular transformation, an area of research where they are utilized extensively. Transformation of cells by SV40 large T antigen is mediated by its binding to the tumor suppressor proteins RB and p53 in the nucleus. Additional binding partners include p300, CBP, Cul7, IRS1, Bub1, Nbs1, and Fbw7, which also contribute to transformation (1).	
Background References	1. Cheng, J. et al. (2009) <i>Semin Cancer Biol</i> 19, 218-28.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	<b>WB:</b> Western Blotting <b>IP:</b> Immunoprecipitation <b>IF-IC:</b> Immunofluorescence (Immunocytochemistry)
Cross-Reactivity Key	<b>H:</b> human <b>M:</b> mouse <b>R:</b> rat <b>Hm:</b> hamster <b>Mk:</b> monkey <b>Vir:</b> virus <b>Mi:</b> mink <b>C:</b> chicken <b>Dm:</b> D. melanogaster <b>X:</b> Xenopus <b>Z:</b> zebrafish <b>B:</b> bovine <b>Dg:</b> dog <b>Pg:</b> pig <b>Sc:</b> S. cerevisiae <b>Ce:</b> C. elegans <b>Hr:</b> horse <b>GP:</b> Guinea Pig <b>Rab:</b> rabbit <b>All:</b> all species expected
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