

Store at
-20C
#45159**SV40 Large T Antigen (D1E9E) Rabbit mAb
(Sepharose Bead Conjugate)**

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

Product Usage Information**Application**

Immunoprecipitation

Dilution

1:20

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

SV40 Large T Antigen (D1E9E) Rabbit mAb (Sepharose Bead Conjugate) 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.

Description

This Cell Signaling Technology antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated Sepharose beads.

SV40 Large T Antigen (D1E9E) Rabbit mAb (Sepharose Bead Conjugate) is useful for immunoprecipitation assays. The antibody is expected to exhibit the same cross-species reactivity as the unconjugated SV40 Large T Antigen (D1E9E) Rabbit mAb #15729.

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) *Semin Cancer Biol* 19, 218-28.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Applications Key

IP: Immunoprecipitation

Cross-Reactivity Key

All: All Species Expected

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