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#15729**SV40 Large T Antigen (D1E9E) Rabbit mAb**

**Orders:** 877-616-CELL (2355)  
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**Support:** 877-678-TECH (8324)

**Web:** info@cellsignal.com  
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

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| <b>Product Usage Information</b> | <b>Application</b><br>Western Blotting<br>Immunoprecipitation<br>Immunofluorescence (Immunocytochemistry)  | <b>Dilution</b><br>1:1000<br>1:50<br>1:100 - 1:400 |
| <b>Storage</b>                   | 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.   |  |
| <b>Specificity/Sensitivity</b>   | SV40 Large T Antigen (D1E9E) Rabbit mAb recognizes transgenic levels of total SV40 Large T Antigen protein.  |  |
| <b>Source / Purification</b>     | Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys315 of SV40 Large T Antigen protein.   |  |
| <b>Background</b>                | 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).   |  |
| <b>Background References</b>     | 1. Cheng, J. et al. (2009) <i>Semin Cancer Biol</i> 19, 218-28.  |  |
| <b>Species Reactivity</b>        | Species reactivity is determined by testing in at least one approved application (e.g., western blot).   |  |
| <b>Western Blot Buffer</b>       | 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.   |  |
| <b>Applications Key</b>          | <b>W:</b> Western Blotting <b>IP:</b> Immunoprecipitation <b>IF-IC:</b> Immunofluorescence (Immunocytochemistry)   |  |
| <b>Cross-Reactivity Key</b>      | <b>Vir:</b> Virus  |  |
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