

**Product Name: SV40 T Antigen Rabbit Monoclonal Antibody**  
**Catalog #: AMRe03219**

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## Summary

|                        |                                           |
|------------------------|-------------------------------------------|
| <b>Production Name</b> | SV40 T Antigen Rabbit Monoclonal Antibody |
| <b>Description</b>     | Recombinant rabbit monoclonal antibody    |
| <b>Host</b>            | Rabbit                                    |
| <b>Application</b>     | WB,ICC/IF,IP                              |
| <b>Reactivity</b>      | All                                       |

## Performance

|                     |                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                                         |
| <b>Modification</b> | Unmodified                                                                                           |
| <b>Isotype</b>      | IgG                                                                                                  |
| <b>Clonality</b>    | Monoclonal                                                                                           |
| <b>Form</b>         | Liquid                                                                                               |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.             |
| <b>Buffer</b>       | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| <b>Purification</b> | Affinity Purification                                                                                |

## Immunogen

|                          |                            |
|--------------------------|----------------------------|
| <b>Gene Name</b>         | -                          |
| <b>Alternative Names</b> | Large T antigen; LT; LT-AG |
| <b>Gene ID</b>           | 29031019.0                 |
| <b>SwissProt ID</b>      | P03070.                    |

## Application

|                         |                                                |
|-------------------------|------------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:1000,ICC/IF 1:50-1:200,IP 1:20-1:50 |
| <b>Molecular Weight</b> | Calculated MW: 82 kDa; Observed MW: 90 kDa     |

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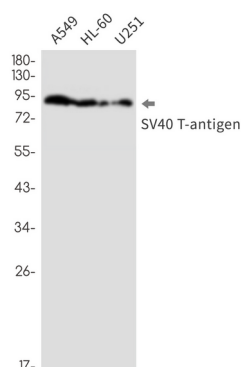
## Background

Isoform large T antigen is a key early protein essential for both driving viral replication and inducing cellular transformation. Plays a role in viral genome replication by driving entry of quiescent cells into the cell cycle and by autoregulating the synthesis of viral early mRNA. Displays highly oncogenic activities by corrupting the host cellular checkpoint mechanisms that guard cell division and the transcription, replication, and repair of DNA.

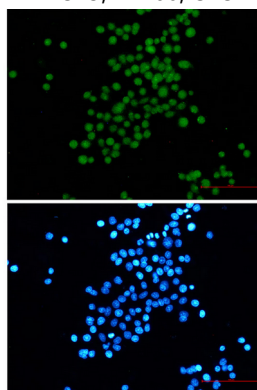
## Research Area

Infectious Diseases

## Image Data



Western blot analysis of SV40 Tantigen in A549, HL-60, U251 lysates using SV40 T Antigen antibody.



Immunocytochemistry analysis of SV40 Tantigen (green) in hela using SV40 Tantigen antibody, and DAPI(blue)

## Note

For research use only.