

AP05003PU-N

Polyclonal Antibody to Adenovirus E1A (E1A) - Purified

Alternate names: Adenovirus early region 1 antibody, Control protein E1A antibody, E1A antibody

Quantity: 0.1 mg

Concentration: Lot specific

Background: The early region (E1) of the adenovirus genome, responsible for transforming activity, is localized within the left most 11% of the viral genome and consists of two transcriptional units E1A and E1B. E1A is sufficient for partial transformation and immortalization of primary cells. E1A gene products are necessary for normal levels of transcription of the other early regions of the adenovirus genome during productive infection and are able to either activate or repress the transcription of specific cellular genes. E1A forms specific complexes with cellular proteins including p105 causing inhibition of the cell cycle inducing arresting function of p105. E1A gene encodes potent onco-proteins that modify the normal transcriptional growth regulation of key cellular genes and thus alter cell cycle control.

Host / Isotype: Sheep / IgG

Immunogen: GST-E1A fusion protein recognizing a 43kD protein.

Format: **State:** Liquid purified Ig (0.2µm sterile filtered)
Buffer System: Phosphate buffered saline with 0.08% Sodium Azide

Applications: Western Blot: 1-10 µg /ml.
 Positive Control: 293 cells are human embryonic kidney cells that have been transformed with the adenovirus genes E1A and E1B, which are required for adenovirus propagation. This cell line can be used as a positive control for this antibody.
 Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody reacts to Adenovirus E1A.

Storage: Store the antibody at -20°C.
 Avoid repeated freezing and thawing.
 Shelf life: one year from despatch.

Pictures:

Western blot using Adenovirus E1A antibody. Each lane contains 50 µg total cellular protein separated on a 12% SDS PAGE gel. Lanes 1 and 3, HCT116 cell lysate - negative control: lanes 2 and 4, 293 cell lysate, positive control.

