

Sheep anti-Human, Rat E1A (adenovirus early region 1) Polyclonal Antibody | anti-E1A antibody

E1A (adenovirus early region 1)

CATALOG # AAA60509	HOST Sheep	REACTIVITY Human, Rat	APPLICATIONS Immunoprecipitation
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PRODUCT SYNONYMS

E1A (adenovirus early region 1); Polyclonal Antibody; E1A Early Adenovirus region 1; anti-E1A antibody

PRODUCT SPECIFICATIONS

Host	Sheep
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Ammonium Sulfate Precipitation
Form/Format	Provided as solution in phosphate buffered saline with 0.08% sodium azide
Sequence Length	289
Applicable Applications for anti-E1A antibody	IP (Immunoprecipitation)
Immunogen	A GST-E1A fusion protein recognizing a 43kD protein
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. This antibody is suitable for use with his tagged or gst tagged recombinant proteins.
Preparation and Storage	Product should be stored at -20 degree C. Aliquot to avoid freeze/thaw cycles

ADDITIONAL INFORMATION

Related Product Information for anti-E1A antibody	The immunogen for the anti-E1A was a recombinant E1A protein recognizing a 43kD protein. E1A gene encodes potent onco-proteins that modify the normal transcriptional growth regulation of key cellular genes and thus alter cell cycle control. E1A protein has both transforming and trans-activating activities. Plays a role in viral genome replication by driving entry of quiescent cells into the cell cycle. Disrupts the function of host retinoblastoma protein RB1/pRb and isoform early E1A 26 kDa protein stabilizes TP53, which are key regulators of the cell cycle. Induces the disassembly of the E2F1 transcription factors from RB1 by direct competition for the same binding site on RB1, with subsequent transcriptional activation of E2F1-regulated S-phase genes. Inactivation of the ability of RB1 to arrest the cell cycle is critical for cellular transformation, uncontrolled cellular growth and proliferation induced by viral infection. Stimulation of progression from G1 to S phase allows the virus to efficiently use the cellular DNA replicating machinery to achieve viral genome replication. Interaction with RBX1 and CUL1 inhibits ubiquitination of the proteins targeted by SCF(FBW7) ubiquitin ligase complex, and may be linked to unregulated host cell proliferation. The tumorigenesis-restraining activity of E1A may be related to the disruption of the host CtBP-CtIP complex through the CtBP binding motif
Product Categories/Family for anti-E1A antibody	Polyclonal Antibody; Adenovirus

NCBI AND UNIPROT INFORMATION

NCBI GI #	56160510
NCBI Accession #	AP_000161.1
NCBI GenBank Nucleotide #	AC_000007.1
UniProt Accession #	P03254; P24934; Q67788
Molecular Weight	31,851 Da
NCBI Official Full Name	E1A
UniProt Protein Name	Early E1A 32 kDa protein
UniProt Entry Name	E1A_ADE02

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/e1a-adenovirus-early-region-1-antibody-immunoprecipitation-elisa/60509>