



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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E1A (adenovirus early region 1). Mouse Monoclonal Antibody
mouse anti E1A, Adenovirus Early Region 1,

BACKGROUND

The immunogen for the anti- 2 E1A was full length recombinant adenovirus 2 E1A protein. 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 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

IMMUNOGEN

Full length recombinant adenovirus 2 E1A protein

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Applications: Immunoprecipitation (1-2 ug/ml) and 2-5 ug/ml for Immunofluorescence.

ORDERING INFORMATION

CATALOG NUMBER

A200M

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Mouse Clone M73

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG2a

APPLICATIONS

Immunoprecipitation,
Immunofluorescence

SPECIES REACTIVITY

Human

ACCESSION NUMBER

P03254, Human

PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Room Temperature

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

- 1) Harlow E. et. al. (1986) Association of adenovirus early region 1A proteins with cellular peptides) Mol. Cell Biol., 6 1579-1589
- 2) Harlow, E. et. al. (1985) Monoclonal antibodies specific for adenovirus E1A proteins: extensive heterogeneity in the E1A products J. Virology 3: 533-546