

Product Information

Anti-E1B-AP5 antibody, Rat monoclonal
clone EAP4A11, purified from hybridoma cell culture

Catalog Number **SAB4200048**

Product Description

Anti-E1B-AP5 (rat IgG2b isotype) is derived from the hybridoma EAP4A11 produced by the fusion of mouse myeloma cells (P3X63Ag8.653) and splenocytes from rat immunized with full length human E1B-AP5 (GeneID:11100) fusion protein.^{1,2} The antibody is purified from culture supernatant of hybridoma cells grown in a bioreactor.

Anti-E1B-AP5 recognizes human, monkey, bovine, dog, mouse and rat E1B-AP5. The product may be used in several immunochemical techniques including immunoblotting (~ 110 kDa), immunoprecipitation and immunocytochemistry.²⁻⁴

E1B-AP5 also known as heterogeneous nuclear ribonucleoprotein U-like 1(hnRNPUL1) is a nuclear RNA-binding protein of the heterogeneous nuclear ribonucleoprotein (hnRNP) family. This protein binds specifically to adenovirus E1B-55kDa oncoprotein via two segments in the 55-kDa polypeptide with partly overlapping regions responsible for p53 binding. E1B-AP5 may play an important role in nucleocytoplasmic RNA transport, and its function is modulated by E1B-55kDa in adenovirus-infected cells.¹ Interestingly, this protein was found to be associated with BRD7 in a complex that links chromatin events with mRNA processing at the level of transcriptional regulation. It also activates transcription of glucocorticoid-responsive promoter in the absence of ligand-stimulation.³

Reagent

The product is supplied as a solution in 0.01M phosphate buffered saline pH 7.4, containing 15 mM sodium azide and fetal calf serum.

Antibody concentration: ~ 1.0 mg/mL

Precautions and Disclaimer

For R&D use only. Not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

Store at -20 °C. For continuous use, the product may be stored at 2-8 °C for up to one month. For extended storage, freeze in working aliquots at -20 °C. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

Product Profile

Immunoblotting: a working antibody concentration of 0.05 -0.1 µg/mL is recommended using HT-29 cell extracts.

Note: In order to obtain the best results using various techniques and preparations, we recommend determining optimal working dilutions by titration.

References

1. Gabler, S., et al., *J. Virol.*, **72**, 7960-7971 (1998).
2. Kzhyshkowska, J., et al., *Biochem. J.*, **358**, 305-314 (2001).
3. Kzhyshkowska, J., et al., *Biochem. J.*, **371**, 385-393 (2003).
4. Barral, P.M., et al., *FEBS Lett.*, **579**, 2752-2758 (2005).

RC,GG,TD,KAA,PHC 04/21-1