

Product Information

Anti- EI24 (46-57)

produced in rabbit, IgG fraction of antiserum

Catalog Number **SAB1100756**

Product Description

Anti-EI24 (46-57) is produced in rabbit using as immunogen a synthetic peptide corresponding to amino acids 46-57 of human EI24 (GenelD 9538), conjugated to KLH. Whole antiserum is purified using protein A immobilized on agarose to provide the IgG fraction of antiserum.

Anti- EI24 (46-57) specifically recognizes human EI24 (not tested with other species). The antibody can be used in several immunochemical techniques including immunoblotting. Detection of the EI24 band by immunoblotting is specifically inhibited by the immunizing peptide.

The *EI24* gene (also known as PIG8 ; p53-induced gene 8) is an immediate-early response gene that is directly regulated by p53, suppresses cell growth, and induces cell death.¹ Electrophoretic mobility shift analysis demonstrated that purified wildtype p53 protein specifically binds to a p53 response element in the EI24 protein. The protein encoded by *EI24* gene contains six putative transmembrane domains and may suppress cell growth by inducing apoptotic cell death through the caspase 9 and mitochondrial pathways. This gene is located on human chromosome 11q24, one of the most consistently deleted chromosomal regions in solid tumors and frequently altered in cancers.² Alternative splicing results in two transcript variants encoding different isoforms.

Reagent

Supplied as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage, freeze in working aliquots. 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 dilutions should be discarded if not used within 12 hours.

Product Profile

Immunoblotting: a working dilution of 1:500-1:1,000 is recommended using lysates of HEK-293T cells over-expressing human recombinant EI24 protein.

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

References

1. Gu, Z., et al., *Mol. Cell. Biol.*, **20**, 233-241 (2000).
2. Gentile, M., et al., *Oncogene*, **20**, 7753-7760 (2001).

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