
Anti-Human RASSF1A Purified

Catalog Number: 14-6888

RUO: For Research Use Only

Product Information

Contents: Anti-Human RASSF1A Purified

 Catalog Number: 14-6888

Clone: eB114-10H1

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The eB114 antibody reacts with the RASSF1A isoform of the tumor suppressor gene RASSF1. RASSF1A contains a Ras Association Domain (RA) and binds Ras in a GTP-dependent manner to effect apoptosis. The RASSF1A isoform undergoes epigenetic inactivation in a variety of human primary tumors. This has been associated with hypermethylation of a CpG island(s) in its promoter region. This antibody was generated against a synthetic peptide corresponding to the splice junction region of RASSF1A.

Applications Reported

The eB114 antibody has been reported for use in immunoprecipitation, and immunoblotting (WB).

Applications Tested

The eB114-10H1 has been tested by Western blotting and can be used at approximately 1-10 μ g/ml. RASS1A is detected as a 45 kDa band in Western blotting of a HeLa cell extract. It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

References

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Whang, Y.M., Kim, Y.H., Kim, J.S. and Y.D. Yoo. 2005. RASSF1A Suppresses the c-Jun-NH2-Kinase Pathway and Inhibits Cell Cycle Progression. *Cancer Research* 65, 3682-3690. (eb114-10H1, WB, PubMed)

Dammann R, Yang G, Pfeifer GP. (2001) "Hypermethylation of the cpG island of Ras association domain family 1A (RASSF1A), a putative tumor suppressor gene from the 3p21.3 locus, occurs in a large percentage of human breast cancers." *Cancer Res.* 61(7):3105-9.

Ortiz-Vega S, Khokhlatchev A, Nedwidek M, Zhang XF, Dammann R, Pfeifer GP, Avruch J. (2002). "The putative tumor suppressor RASSF1A homodimerizes and heterodimerizes with the Ras-GTP binding protein Nore1." *Oncogene.* (9):1381-90.

Related Products

14-4714 Mouse IgG1 K Isotype Control Purified

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