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## 36-3485: Anti-RCAS1 / Estrogen Receptor Binding Site Associated, Antigen 9 Monoclonal Antibody(Clone: CPTC-EBAG9-2)

Clonality: Monoclonal
Clone Name: CPTC-EBAG9-2

Application: WB,IHC
Reactivity: Human
Gene: EBAG9
Gene ID: 9166
Uniprot ID: 000559

BAG9; cancer associated surface antigen; cancer associated surface antigen RCAS1; EB9;

**Alternative Name:** estrogen receptor binding fragment associated gene 9; PDAF; receptor binding cancer antigen

expressed on SiSo cells

**Isotype:** Mouse IgG2a, kappa

Immunogen Information: Recombinant full-length human EBAG9 protein

## **Description**

EBAG9, also known as RCAS1, is an estrogen-transcribed protein. Soluble and membranous RCAS1 proteins may play a role in the immune escape of tumor cells by promoting T lymphocyte inhibition of growth and apoptosis. RCAS1 is expressed in a wide variety of cancers, including uterine, ovarian, and lung cancer cells, and acts as a ligand for a putative receptor present on peripheral lymphocytes. RCAS1 is highly expressed not only in cancer cells but also in non-tumor bile duct cells subject to immune attack. RCAS1 inhibits the in vitro growth of receptor-expressing cells and induces apoptosis, contributing to the ability of tumor cells to evade host immune surveillance. High expression of RCAS1 significantly correlates with tumor progression and with poor outcome for many cancer patients.

## **Product Info**

**Amount :**  $20 \mu g / 100 \mu g$ 

Content: 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage condition :** Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous.

## **Application Note**

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

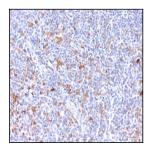


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with RCAS1 Mouse Monoclonal Antibody (CPTC-EBAG9-2).



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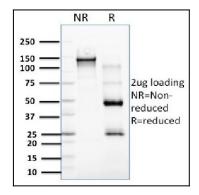


Fig. 2: SDS-PAGE Analysis Purified RCAS1 Mouse Monoclonal Antibody (CPTC-EBAG9-2). Confirmation of Purity and Integrity of Antibody.