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36-3484: Anti-RCAS1 / Estrogen Receptor Binding Site Associated, Antigen 9 Monoclonal Antibody(Clone: CPTC-EBAG9-1)

Clonality :	Monoclonal
Clone Name :	CPTC-EBAG9-1
Application :	IF,IHC
Reactivity :	Human
Gene :	EBAG9
Gene ID :	9166
Uniprot ID :	O00559
Alternative Name :	BAG9; cancer associated surface antigen; cancer associated surface antigen RCAS1; EB9; estrogen receptor binding fragment associated gene 9; PDAF; receptor binding cancer antigen expressed on SiSo cells
Isotype :	Mouse IgG2c, kappa
Immunogen Information :	Recombinant human full-length 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 µg / 100 µg
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

Immunofluorescence (1-2ug/ml);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min 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);

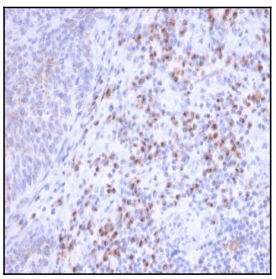

Fig. 1: Formalin-fixed, paraffin-embedded human Unknown Tumor stained with RCAS1 Mouse Monoclonal Antibody (CPTC-EBAG9-1).

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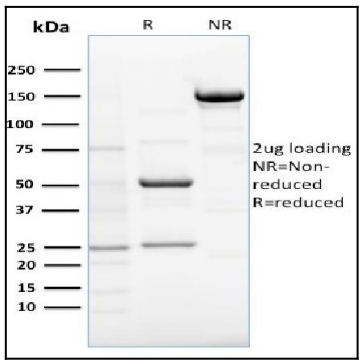

Fig. 2: SDS-PAGE Analysis Purified RCAS1 Mouse Monoclonal Antibody (CPTC-EBAG9-1). Confirmation of Purity and Integrity of Antibody.

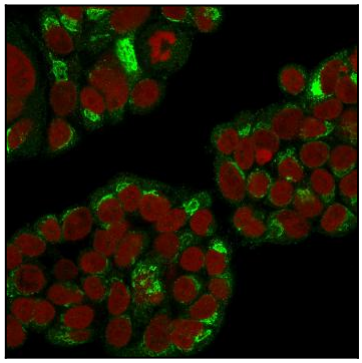

Fig. 3: Immunofluorescence Analysis of Human MCF-7 cells labeling RCAS1 with RCAS1 Mouse Monoclonal Antibody (CPTC-EBAG9-1) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).

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