

Datasheet for ABIN6941019

**anti-RCAS1 antibody**

3 Images

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## Overview

Quantity:	100 µg
Target:	RCAS1 (EBAG9)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RCAS1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant human full-length EBAG9 protein
Clone:	CPTC-EBAG9-1
Isotype:	IgG2c kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	RCAS1 (EBAG9)
Alternative Name:	EBAG9 ( <a href="#">EBAG9 Products</a> )
Background:	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

## Target Details

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.

Molecular Weight: 32kDa

Gene ID: 9166

UniProt: [O00559](#)

## Application Details

Application Notes: Positive Control: MCF-7, Jurkat, 293 cell lysates, Human skeletal muscle tissue.  
Known Application: Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

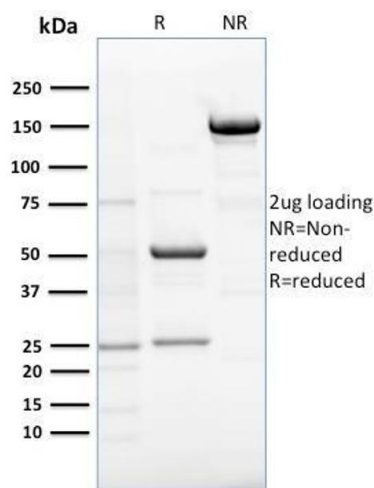
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

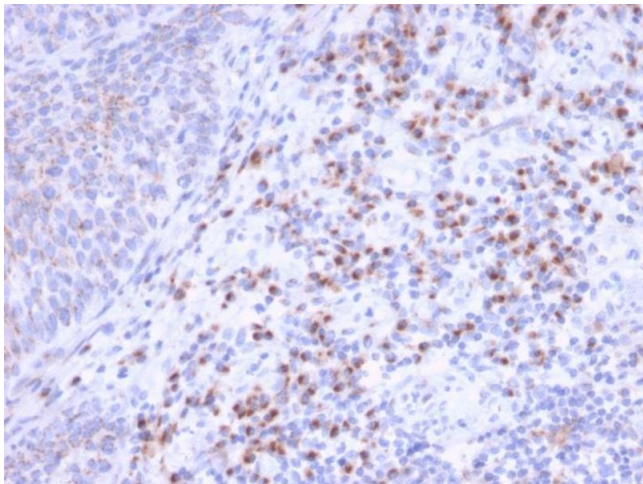
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



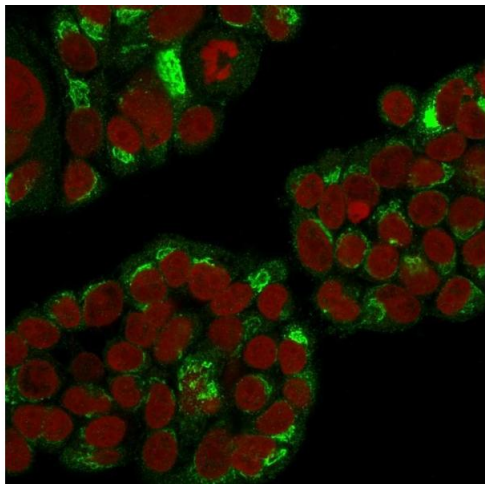
SDS-PAGE

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



Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Unknown Tumor stained with RCAS1 Mouse Monoclonal Antibody (CPTC-EBAG9-1).



Immunofluorescence

**Image 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).