

Datasheet for ABIN6937121 **anti-RCAS1 antibody**

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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:	Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant full-length human EBAG9 protein
Clone:	CPTC-EBAG9-2
Isotype:	IgG2a kappa
Specificity:	<p>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.</p>

Product Details

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: RCAS1 (EBAG9)

Alternative Name: EBAG9 ([EBAG9 Products](#))

Background: 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,RCAS1 / Estrogen Receptor Binding Site Associated, Antigen 9
Cellular localisation: Golgi apparatus.

Molecular Weight: 32kDa

Gene ID: 9166, 409368

UniProt: [O00559](#)

Application Details

Application Notes: Known_Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Positive_Control: MCF-7, Jurkat, 293 cell lysates, Human skeletal muscle tissue.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C,-80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months