Catalog # 9166-MSM1
Product Datasheet

RCAS1 / Estrogen Receptor Binding Site Associated, Antigen 9 Antibody

Mouse Monoclonal Antibody [Clone CPTC-EBAG9-1]

Catalog No	Format	Size
9166-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
9166-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
9166-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

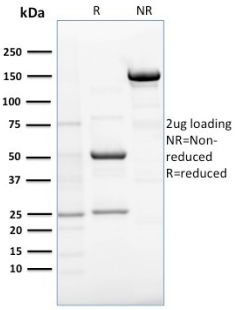
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

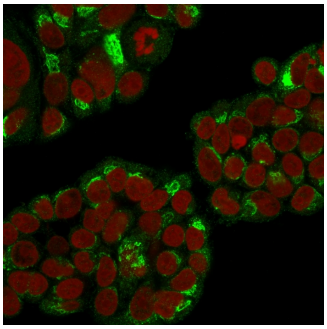
Clone	CPTC-EBAG9-1
Gene Name	EBAG9
Immunogen	Recombinant human full-length EBAG9 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2c / Kappa
Mol. Weight of Antigen	32kDa
Cellular Localization	Golgi apparatus membrane
Species Reactivity	Human
Positive Control	Jurkat; 293 cell lysates; Human skeletal muscle tissue., MCF-7

**Optimal dilution for a specific application should be determined.*

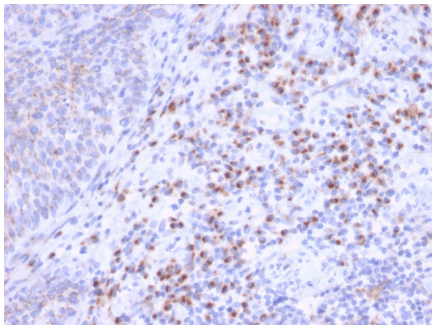
Product Images for RCAS1 / Estrogen Receptor Binding Site Associated, Antigen 9 Antibody



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



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).



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

Specificity & Comments

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.

Supplied As

200ug/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 and Stability

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.

Research Areas

Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.