Mouse anti-Human RCAS1/Estrogen Receptor Binding Site Associated, Antigen 9 Monoclonal Antibody | anti-EBAG9 antibody

RCAS1/Estrogen Receptor Binding Site Associated, Antigen 9

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215278	**Mouse**	**Human**	**Immunohistochemistry, Immunofluorescence**

PRODUCT SYNONYMS

RCAS1/Estrogen Receptor Binding Site Associated; Antigen 9; Monoclonal Antibody; 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; anti-EBAG9 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2c, kappa
Clone Number	CPTC-EBAG9-1
Specificity	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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Sequence Length	213
Applicable Applications for anti-EBAG9 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence)
Positive Control	MCF-7, Jurkat; 293 cell lysates; Human skeletal muscle tissue.
Immunogen	Recombinant human full-length EBAG9 protein
Cellular Localization	Golgi apparatus.
Hu-chromosome Location	8q23.2
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IF (Immunofluorescence)
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).



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



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

ADDITIONAL INFORMATION

References	1. Ruder, C. et al. (2009) J Clin Invest 119, 2184-203. 2. Watanabe, T. et al. (1998) Mol Cell Biol 18, 442-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8928283
NCBI GeneID	9166
UniProt Accession #	O00559
Molecular Weight	32kDa
NCBI Official Full Name	Receptor-binding cancer antigen expressed on SiSo cells
NCBI Official Synonym Full Names	estrogen receptor binding site associated antigen 9
NCBI Official Symbol	EBAG9
NCBI Official Synonym Symbols	EB9; PDAF
NCBI Protein Information	receptor-binding cancer antigen expressed on SiSo cells
UniProt Protein Name	Receptor-binding cancer antigen expressed on SiSo cells
UniProt Gene Name	**EBAG9**
UniProt Synonym Gene Names	RCAS1
UniProt Entry Name	RCAS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/rcas1-estrogen-receptor-binding-site-associated-antigen-9-antibody-clone-cptc-ebag9-1-immunohistochemistry-immunofluorescence-elisa/215278