

Product Datasheet

EBAG9 Antibody / Estrogen Receptor Binding Site Associated Antigen 9 / RCAS1 (orb640025)

Catalog Number	orb640025
Category	Antibodies
Description	<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>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG2c, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	A recombinant human full-length EBAG9 protein was used as the immunogen for this EBAG9 antibody.

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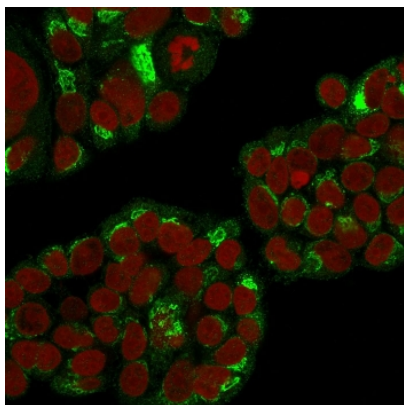
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UniProt ID	O00559
Tested applications	IF, IHC-P
Dilution range	Immunofluorescence: 1-2ug/ml, Immunohistochemistry (FFPE): 0.5-1ug/ml
Application notes	Optimal dilution of the EBAG9 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	CPTC-EBAG9-1
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Immunofluorescent staining of permeabilized human MCF7 cells with EBAG9 antibody (green) and Reddot nuclear stain (red).

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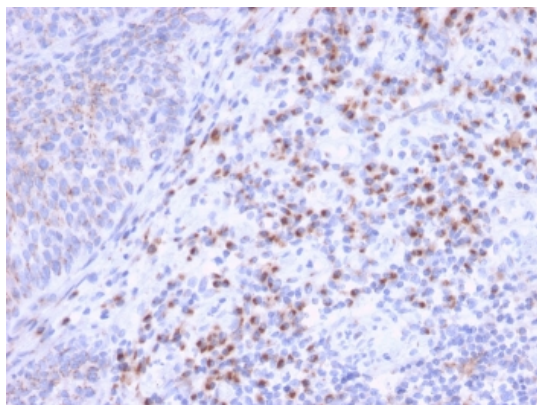
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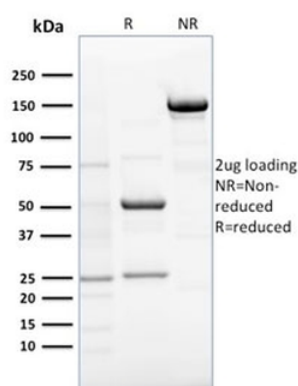
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IHC staining of FFPE human tonsil tissue with EBAG9 antibody. HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free EBAG9 antibody as confirmation of integrity and purity.

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