

Anti-EBAG9 Picoband Antibody

Catalog # ABO12240

Product Information

Application	WB, IHC-P
Primary Accession	O00559
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Receptor-binding cancer antigen expressed on SiSo cells(EBAG9) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	9166
Other Names	Receptor-binding cancer antigen expressed on SiSo cells, Cancer-associated surface antigen RCAS1, Estrogen receptor-binding fragment-associated gene 9 protein, EBAG9, RCAS1
Calculated MW	24377
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat
Subcellular Localization	Golgi apparatus membrane ; Single-pass type III membrane protein . According to PubMed:10426319, it also exists as a soluble form which has the same biological activities. The existence of such soluble form is however uncertain.
Tissue Specificity	Widely expressed. Expressed in ovary, testis, prostate, thymus, muscle and heart, but not in small intestine, colon, lymph nodes, or peripheral blood lymphocytes. The protein is not detected in any of the above organs.
Source	Eukaryota
Protein Name	Receptor-binding cancer antigen expressed on SiSo cells
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E.coli-derived human EBAG9 recombinant protein (Position: R31-S213). Human EBAG9 shares 97.8% and 94.5% amino acid (aa) sequence identity with mouse and rat EBAG9, respectively.

Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

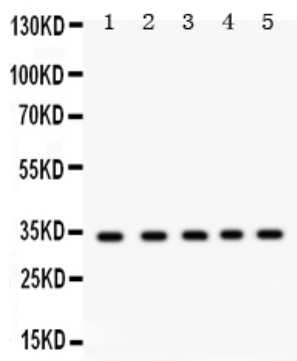
Protein Information

Name	EBAG9
Synonyms	RCAS1
Function	May participate in suppression of cell proliferation and induces apoptotic cell death through activation of interleukin-1-beta converting enzyme (ICE)-like proteases.
Cellular Location	Golgi apparatus membrane; Single-pass type III membrane protein. Note=According to PubMed:10426319, it also exists as a soluble form which has the same biological activities The existence of such soluble form is however uncertain
Tissue Location	Widely expressed. Expressed in ovary, testis, prostate, thymus, muscle and heart, but not in small intestine, colon, lymph nodes, or peripheral blood lymphocytes. The protein is not detected in any of the above organs

Background

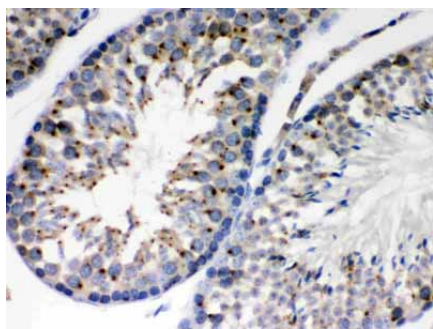
Receptor-binding cancer antigen expressed on SiSo cells is a protein that in humans is encoded by the EBAG9 gene. This gene was identified as an estrogen-responsive gene. Regulation of transcription by estrogen is mediated by estrogen receptor, which binds to the estrogen-responsive element found in the 5'-flanking region of this gene. And the encoded protein is a tumor-associated antigen that is expressed at high frequency in a variety of cancers. Alternate splicing results in multiple transcript variants. A pseudogene of this gene has been defined on chromosome 10.

Images

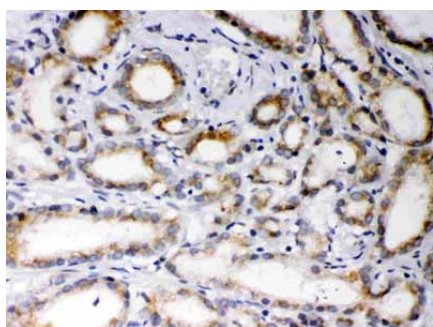
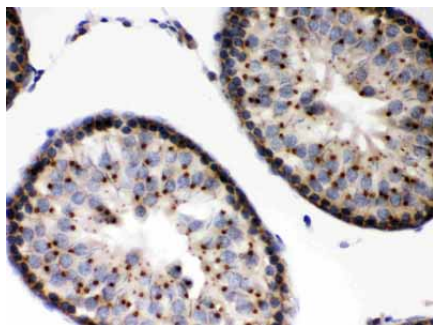


Anti- EBAG9 Picoband antibody, ABO12240, Western blotting
All lanes: Anti EBAG9 (ABO12240) at 0.5ug/ml
Lane 1: Rat Testis Tissue Lysate at 50ug
Lane 2: 22RV1 Whole Cell Lysate at 40ug
Lane 3: HELA Whole Cell Lysate at 40ug
Lane 4: MCF-7 Whole Cell Lysate at 40ug
Lane 5: JURKAT Whole Cell Lysate at 40ug
Predicted bind size: 34KD
Observed bind size: 34KD

Anti- EBAG9 Picoband antibody, ABO12240, IHC(P)
IHC(P): Mouse Testis Tissue



Anti- EBAG9 Picoband antibody, ABO12240,IHC(P)IHC(P):
Rat Testis Tissue



Anti- EBAG9 Picoband antibody, ABO12240,IHC(P)IHC(P):
Human Prostatic Cancer Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.