

Anti-EBAG9 Picoband Antibody
Catalog # ABO12240**Specification**

Anti-EBAG9 Picoband Antibody - 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.

Anti-EBAG9 Picoband Antibody - 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 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/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.

Protein Name

Receptor-binding cancer antigen expressed on SiSo cells

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃N.

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.

Anti-EBAG9 Picoband Antibody - 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

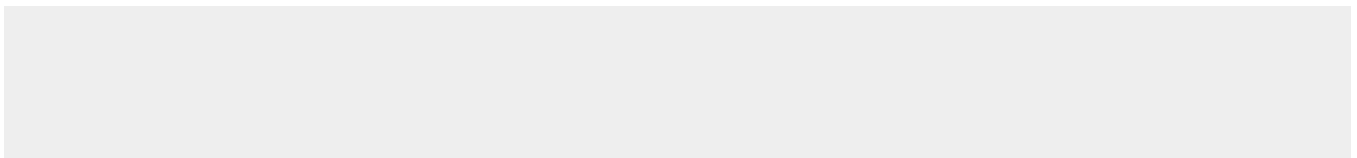
Tissue Location

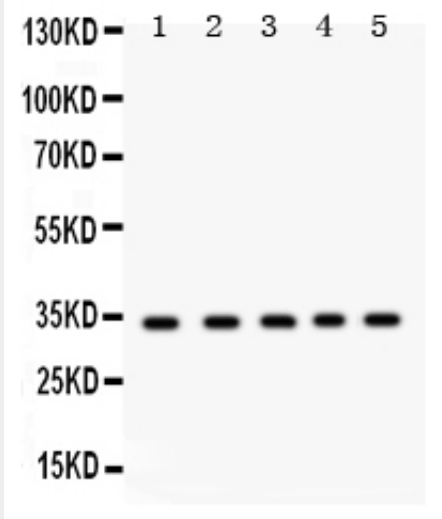
Widely expressed. Expressed in ovary, testis, prostate, thymus, muscle and heart, but not in small intestine, colon, lymph nodes, or peripheral blood lymphocytes. The protein is not detected in any of the above organs

Anti-EBAG9 Picoband Antibody - Protocols

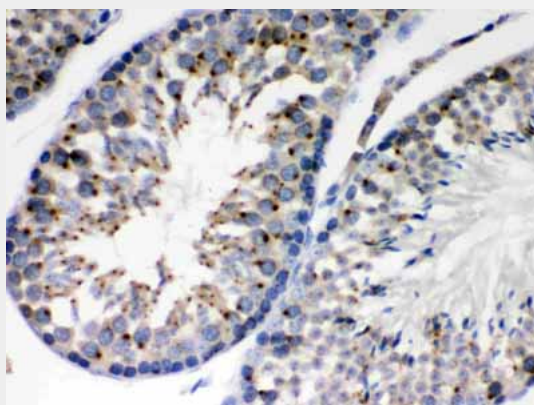
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

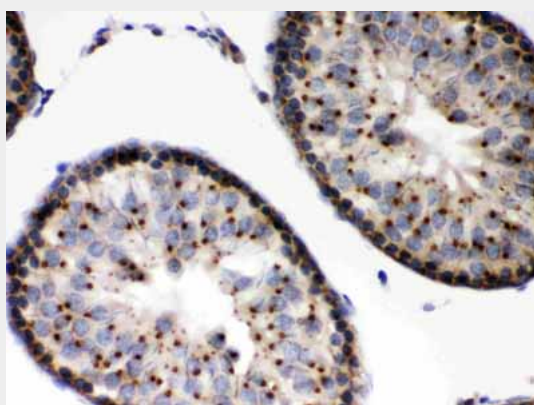
Anti-EBAG9 Picoband Antibody - Images



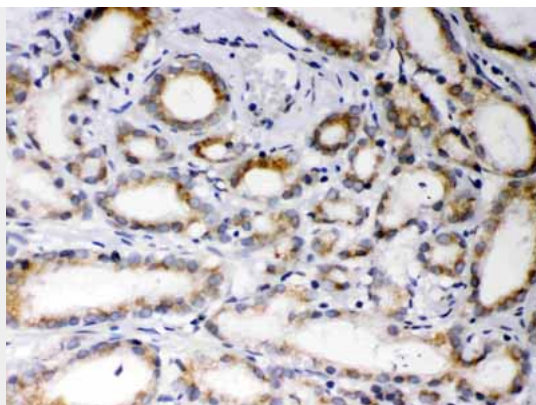
Anti- EBAG9 Picoband antibody, ABO12240, Western blotting All lanes: Anti EBAG9 (ABO12240) at 0.5ug/ml
Lane 1: Rat Testis Tissue Lysate at 50ug
Lane 2: 22RV1 Whole Cell Lysate at 40ug
Lane 3: HELA Whole Cell Lysate at 40ug
Lane 4: MCF-7 Whole Cell Lysate at 40ug
Lane 5: JURKAT Whole Cell Lysate at 40ug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

Anti-EBAG9 Picoband Antibody - 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.