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Tel: 858.875.1900 Fax: 858.875.1999

Anti-EBAG9 Picoband Antibody

Catalog # ABO12240

Specification

Anti-EBAG9 Picoband Antibody - Product Information

Application	**WB, IHC**
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 peripherical 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 NaN3.

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 r˚Constitution, 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 peripherical 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 Cytomety
- Cell Culture

Anti-EBAG9 Picoband Antibody - Images

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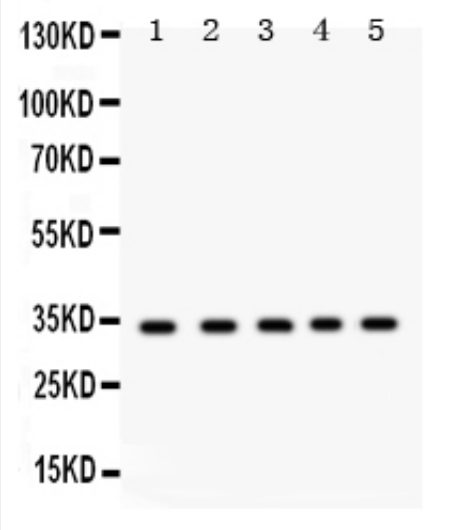
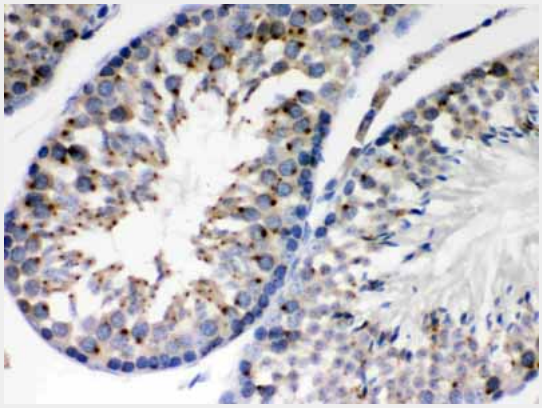
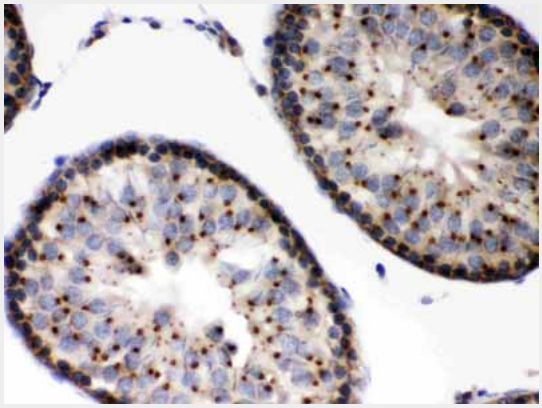


Anti- EBAG9 Picoband antibody, ABO12240, Western blottingAll lanes: Anti EBAG9 (ABO12240) at 0.5ug/mlLane 1: Rat Testis Tissue Lysate at 50ugLane 2: 22RV1 Whole Cell Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: MCF-7 Whole Cell Lysate at 40ugLane 5: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 34KDObserved 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

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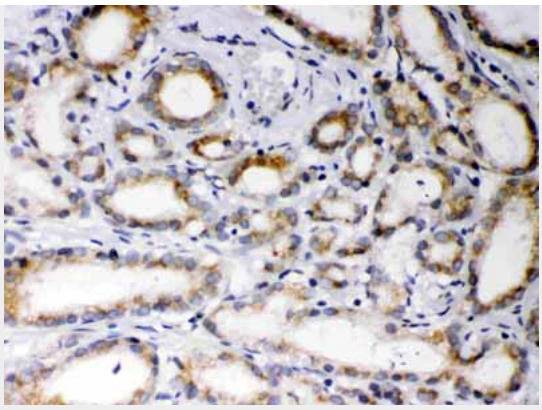

Anti- EBAG9 Picoband antibody, ABO12240,IHC(P)IHC(P): Human Prostatic Cancer Tissue

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.