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EBAG9 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a full-length recombinant EBAG9.
Catalog # AT1842a

Product Information

Application	WB, E
Primary Accession	O00559
Other Accession	BC017729
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4A10
Calculated MW	24377

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
Target/Specificity	EBAG9 (AAH17729, 1 a.a. ~ 213 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	EBAG9 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

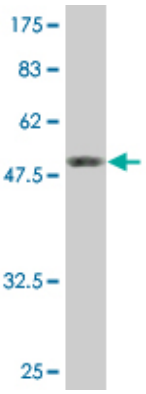
Background

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 (ERE) found in the 5'-flanking region of this gene. The encoded protein is a tumor-associated antigen that is expressed at high frequency in a variety of cancers. Two transcript variants differing in the 5' UTR, but encoding the same protein, have been identified for this gene.

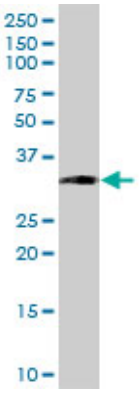
References

Analysis of the expression of human tumor antigens in ovarian cancer tissues. Ali-Fehmi R, et al. Cancer Biomark, 2010. PMID 20164540.Receptor-binding cancer antigen expressed on SiSo cells induces apoptosis via ectodomain shedding. Sonoda K, et al. Exp Cell Res, 2010 Jul 1. PMID 20079734.[Evaluation of RCAS1 as serum tumor marker for pancreatic cancer] Yang YC, et al. Zhonghua Wai Ke Za Zhi, 2009 Jul 1. PMID 19957811.Expression of RCAS1 protein in microglia/macrophages accompanying brain tumours. An immunofluorescence study. Adamek D, et al. Folia Neuropathol, 2009. PMID 19813143.Diagnostic and prognostic utility of serum receptor-binding cancer antigen expressed on SiSo cells (RCAS1) levels in colon cancer patients. Giaginis C, et al. Int J Biol Markers, 2009 Apr-Jun. PMID 19634109.

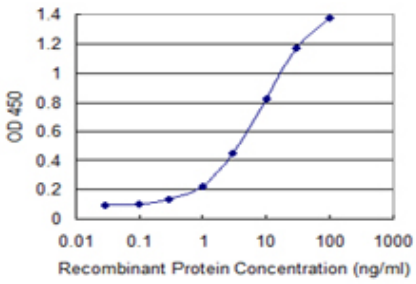
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (49.17 KDa) .



EBAG9 monoclonal antibody (M04), clone 4A10. Western Blot analysis of EBAG9 expression in MCF-7 ((Cat # AT1842a)



Detection limit for recombinant GST tagged EBAG9 is 0.1 ng/ml as a capture antibody.