10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BRMS1 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full length recombinant BRMS1.
Catalog # AT1312a

Specification

BRMS1 Antibody (monoclonal) (M03) - Product Information

Application	**WB, E**
Primary Accession	Q9HCU9
Other Accession	BC009834
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**28461**

BRMS1 Antibody (monoclonal) (M03) - Additional Information

Gene ID 25855

Other Names
Breast cancer metastasis-suppressor 1, BRMS1

Target/Specificity
BRMS1 (AAH09834, 1 a.a. ~ 246 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

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
BRMS1 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

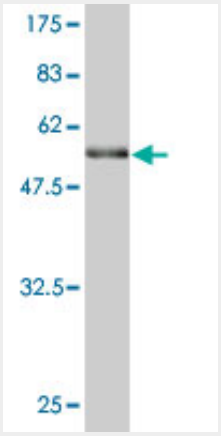
BRMS1 Antibody (monoclonal) (M03) - Protocols

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

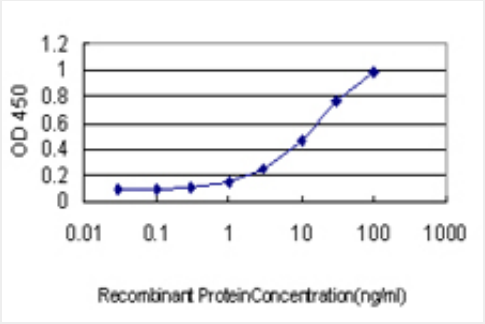
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BRMS1 Antibody (monoclonal) (M03) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (52.8 KDa) .



Detection limit for recombinant GST tagged BRMS1 is approximately 0.3ng/ml as a capture antibody.

BRMS1 Antibody (monoclonal) (M03) - Background

This gene reduces the metastatic potential, but not the tumorogenicity, of human breast cancer and melanoma cell lines. The protein encoded by this gene localizes primarily to the nucleus and is a component of the mSin3a family of histone deacetylase complexes (HDAC). The protein contains two coiled-coil motifs and several imperfect leucine zipper motifs. Alternative splicing results in two transcript variants encoding different isoforms.

BRMS1 Antibody (monoclonal) (M03) - References

BRMS1 expression alters the ultrastructural, biomechanical and biochemical properties of MDA-MB-435 human breast carcinoma cells: an AFM and Raman microspectroscopy study. Wu Y, et al. Cancer Lett, 2010 Jul 1. PMID 20083343.A shift from nuclear to cytoplasmic breast cancer metastasis suppressor 1 expression is associated with highly proliferative estrogen receptor-negative breast cancers. Frolova N, et al. Tumour Biol, 2009. PMID 19609101.Proteome analysis of schizophrenia patients Wernicke's area reveals an energy metabolism dysregulation. Martins-de-Souza D, et al. BMC Psychiatry, 2009 Apr 30. PMID 19405953.Expression of the Breast Cancer Metastasis Suppressor 1 (BRMS1) maintains in vitro chemosensitivity of breast cancer cells. Vaidya KS, et al. Cancer Lett, 2009 Aug 18. PMID 19307053.BRMS1 contributes to the negative

regulation of uPA gene expression through recruitment of HDAC1 to the NF-kappaB binding site of the uPA promoter. Cicek M, et al. Clin Exp Metastasis, 2009. PMID 19165610.