Datasheet for ABIN969295

anti-MSI2 antibody

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Overview

Quantity:	100 µL
Target:	MSI2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Purified recombinant fragment of human MSI2 expressed in E. coli.
Clone:	2C11
Isotype:	IgG1
Purification:	purified

Target Details

Target:	MSI2
Alternative Name:	MSI2 (MSI2 Products)
Background:	Description: Msi2 (musashi homolog 2), also known as MSI2H, is a 328 amino acid protein that localizes to the cytoplasm and contains two RRM (RNA recognition motif) domains. Expressed ubiquitously at low levels, Msi2 functions as an RNA binding protein that, by regulating the expression of target mRNAs, is thought to play a role in the proliferation and maintenance of stem cells within the central nervous system. Msi2 is subject to posttranslational

Target Details

	phosphorylation and is upregulated in response to brain injury, suggesting a role in healing and brain tissue regeneration. Chromosomal aberrations involving the Msi2 gene are associated with the progression of chronic myeloid leukemia. Multiple isoforms of Msi2 exist due to alternative splicing events.Tissue specificity: Ubiquitous, detected at low levels. Aliases: MSI2H, MGC3245, FLJ36569, MSI2
Molecular Weight:	35 kDa
Gene ID:	124540
HGNC:	124540

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

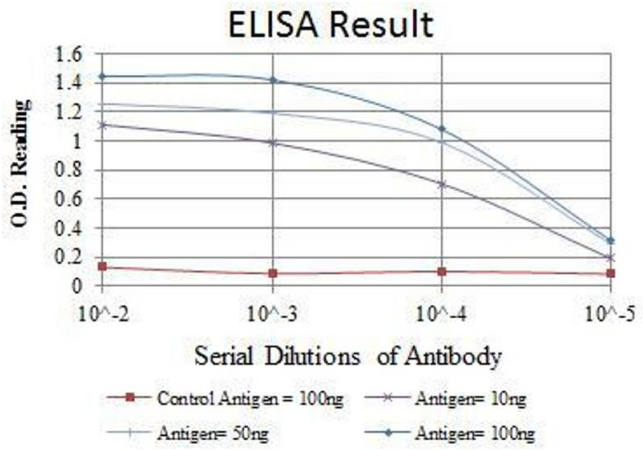
Publications

Product cited in:	Talmud, Drenos, Shah, Shah, Palmen, Verzilli, Gaunt, Pallas, Lovering, Li, Casas, Sofat, Kumari, Rodriguez, Johnson, Newhouse, Dominiczak, Samani, Caulfield, Sever, Stanton, Shields, Padmanabhan et al.: "Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. ..." in: **American journal of human genetics**, Vol. 85, Issue 5, pp. 628-42, (2009) (PubMed). De Weer, Speleman, Cauwelier, Van Roy, Yigit, Verhasselt, De Moerloose, Benoit, Noens, Selleslag, Lippert, Struski, Bastard, De Paepe, Vandenberghe, Hagemeijer, Dastugue, Poppe: "

Publications

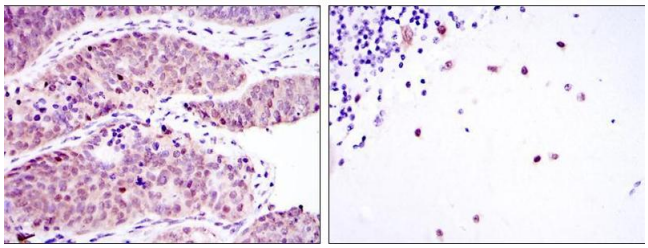
EVI1 overexpression in t(3;17) positive myeloid malignancies results from juxtaposition of EVI1 to the MSI2 locus at 17q22." in: **Haematologica**, Vol. 93, Issue 12, pp. 1903-7, (2008) (PubMed).

Images



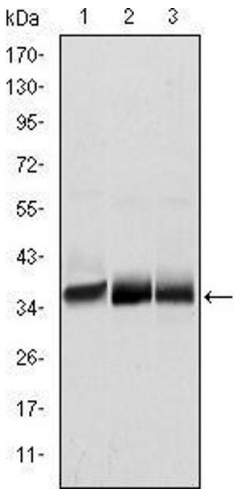
ELISA

Image 1. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded ovarian cancer (left) and cerebellum tissues (right) using MSI2 mouse mAb with DAB staining.



Western Blotting

Image 3. Western blot analysis using MSI2 mouse mAb against NTERA-2 (1), SW620 (2) and T47D (3) cell lysate.