

Product Name: KD-Validated MAGEB2 Mouse Monoclonal Antibody**Catalog #: KVA00040**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 35.3kDa

Antigen Information

Gene Name	MAGEB2 MAGEB2; MAGE Family Member B2; CT3.2; DAM6; Melanoma-Associated Antigen B2; MAGE-XP-2; DSS/AHC Critical Interval MAGE Superfamily 6; Cancer/Testis Antigen Family 3,
Alternative Names	Member 2; Melanoma Antigen Family B2; Cancer/Testis Antigen 3.2; MAGE XP-2 Antigen; MAGE-B2 Antigen; MGC26438; DSS-AHC Critical Interval MAGE Superfamily 6; Melanoma Antigen Family B, 2
Gene ID	4113.0
SwissProt ID	O15479
Immunogen	Recombinant protein of human MAGEB2

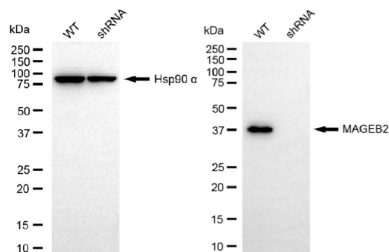
Background

This gene is a member of the MAGEB gene family. The members of this family have their entire coding sequences located in the last exon, and the encoded proteins show 50 to 68% sequence identity to each other. The promoters and first exons of the MAGEB genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. This gene is localized in the DSS (dosage-sensitive sex reversal) critical region. It is expressed in testis and placenta, and in a significant fraction of tumors of various histological types. The MAGEB genes are clustered on chromosome Xp22-p21. [provided by RefSeq, Jul 2008]

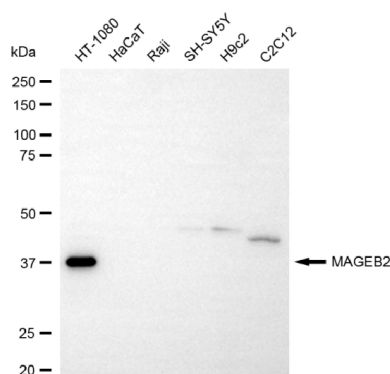
Research Area

Cancer

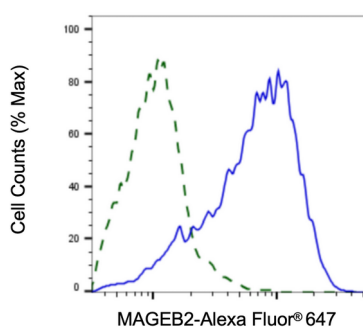
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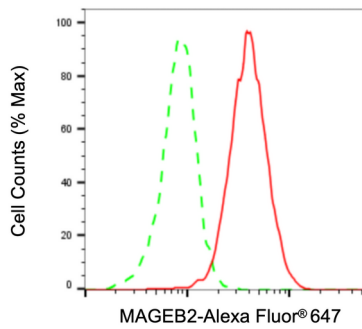
Western blotting analysis using MAGEB2 antibody (KVA00040). MAGEB2 expression in wild-type (WT) and MAGEB2 shRNA knockdown (KD) HepG2 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with MAGEB2 antibody (KVA00040, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using MAGEB2 antibody (KVA00040). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with MAGEB2 antibody (KVA00040, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Validation of MAGEB2 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HepG2 cells were stained with MAGEB2 antibody (KVA00040, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of MAGEB2 expression in HT-1080 cells using MAGEB2 antibody (KVA00040, 1:2,000). Green, isotype control; red, MAGEB2.