

KD-Validated Anti-MELK Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

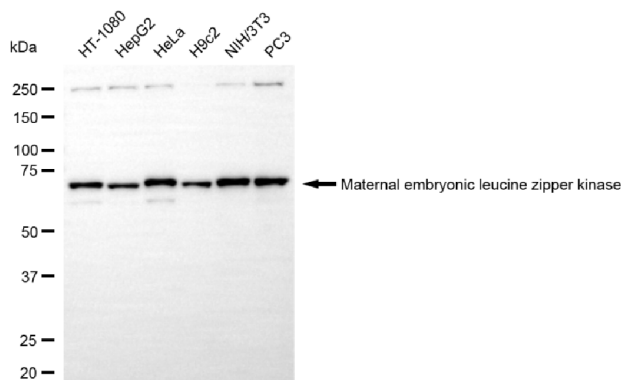
ABG1341

Product Overview

Name	KD-Validated Anti-MELK Rabbit Monoclonal Antibody
Accession(Primary)	Q14680
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human MELK
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 75 kDa; observed, 70 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:1,000-1:5,000Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

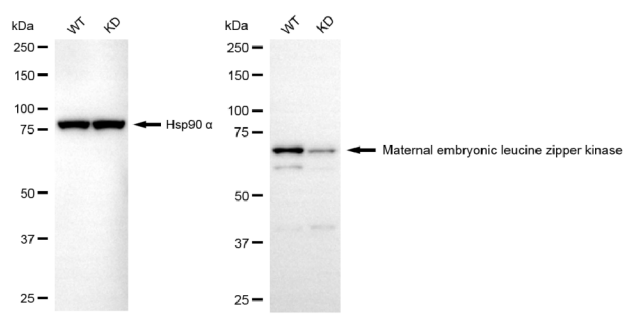
Target information (Q14680)

Gene Name	MELK
About Gene Symbol	MELK (Maternal Embryonic Leucine Zipper Kinase) is a receptor tyrosine kinase involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



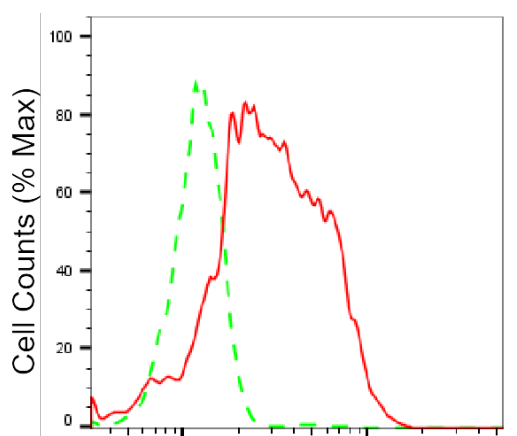
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Western blotting analysis using anti-maternal embryonic leucine zipper kinase antibody (Cat#ABG1341). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-maternal embryonic leucine zipper kinase antibody (Cat#ABG1341, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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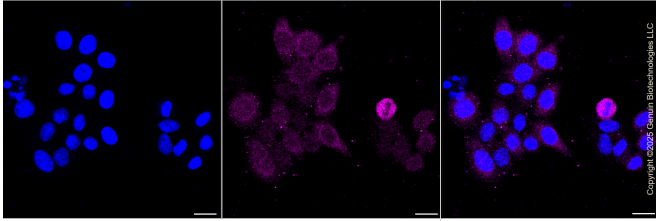
Western blotting analysis using anti-maternal embryonic leucine zipper kinase antibody (Cat#ABG1341). Maternal embryonic leucine zipper kinase expression in wild-type (WT) and maternal embryonic leucine zipper kinase (MELK) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-maternal embryonic leucine zipper kinase antibody (Cat#ABG1341, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Maternal embryonic leucine zipper kinase expression in HepG2 cells using anti-Maternal embryonic leucine zipper kinase antibody (Cat#ABG1341, 1:2,000). Green, isotype control; red, Maternal embryonic leucine zipper kinase.

Maternal embryonic leucine zipper kinase-
Alexa Fluor® 647



Immunocytochemical staining of HepG2 cells with anti-Maternal embryonic leucine zipper kinase antibody (Cat#ABG1341, 1:1,000). Nuclei were stained blue with DAPI; Maternal embryonic leucine zipper kinase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.