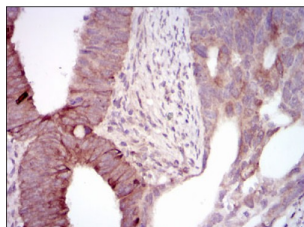
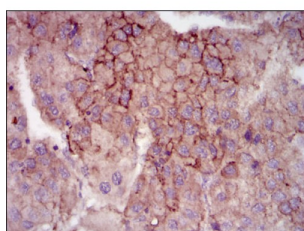


Maternal Embryonic Leucine Zipper Kinase (MELK) Antibody

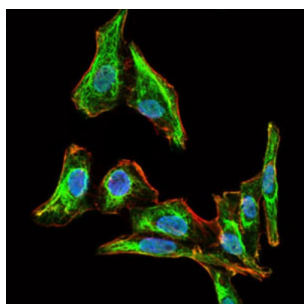
Catalogue No.: abx011114



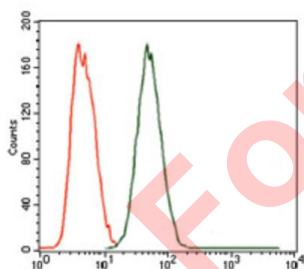
Immunohistochemical analysis of paraffin-embedded liver cancer tissues using MELK antibody with DAB staining.



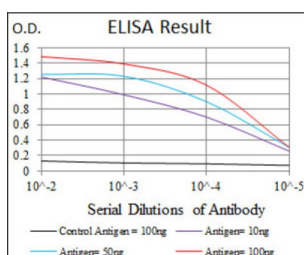
Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using MELK antibody with DAB staining.



Immunofluorescence analysis of HepG2 cells using MELK antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.



Flow cytometric analysis of MCF-7 cells using MELK antibody (green) and negative control (red).



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

Datasheet

Version: 1.0.0
Revision date: 14 Jun 2025



Maternal embryonic leucine-zipper kinase (MELK) is a key regulator of survival of stemlike GBM cells in vitro. MELK expression is increased in breast cancer tissue and this increase is also associated with poor patient survival, as predicted for a candidate oncogene.

Target:	Maternal Embryonic Leucine Zipper Kinase (MELK)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, IHC, IF/ICC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Synthesized peptide of human MELK (AA: 637-651:C-VYKRLVEDILSSCKV).
Isotype:	IgG _{2a}
Form:	Liquid
Purification:	Purified from ascites by Protein G chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q14680 (UniProt , ExPASy)
Gene Symbol:	MELK
GeneID:	9833
OMIM:	607025
HGNC:	16870
KEGG:	hsa:9833
Ensembl:	ENSG00000165304
String:	9606.ENSP00000298048

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Enzyme Commission Number: EC 2.7.11.1

Molecular Weight: 74.6 kDa

Buffer: PBS, containing 0.05% sodium azide.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only