

Datasheet for ABIN2782539
anti-MELK antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	MELK
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Horse, Dog, Rabbit, Guinea Pig, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MELK antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Mouse Melk
Sequence:	GFAKVKLACH VLTGEMVAIK IMDKNALGSD LPRVKTEIDA LKSLRHQHIC
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 86%, Pig: 93%, Rabbit: 86%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against Melk. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MELK
Alternative Name:	Melk (MELK Products)

Target Details

Background:	Melk is a Serine/threonine-protein kinase involved in various processes such as cell cycle regulation, self-renewal of stem cells, apoptosis and splicing regulation. Has a broad substrate specificity, phosphorylates BCL2L14, CDC25B, MAP3K5/ASK1 and ZNF622. Acts as an activator of apoptosis by phosphorylating and activating MAP3K5/ASK1. Melk Acts as a regulator of cell cycle, notably by mediating phosphorylation of CDC25B, promoting localization of CDC25B to the centrosome and the spindle poles during mitosis. It Plays a key role in cell proliferation. It is required for proliferation of embryonic and postnatal multipotent neural progenitors. Phosphorylates and inhibits BCL2L14. It's also involved in the inhibition of spliceosome assembly during mitosis by phosphorylating ZNF622, thereby contributing to its redirection to the nucleus and may also play a role in primitive hematopoiesis. Alias Symbols: AI327312, MPK38, mKIAA0175 Protein Interaction Partner: Txn1, ZNF622, UBC, TXN, TP53, MAP3K5, MDM2, SMAD7, SMAD3, Protein Size: 643
-------------	---

Molecular Weight:	70 kDa
Gene ID:	17279
NCBI Accession:	NM_010790 , NP_034920
UniProt:	Q61846

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

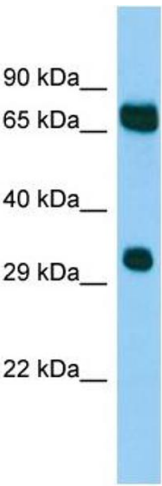
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Rabbit Target Name: Melk Sample Type: Mouse Testis lysates Antibody Dilution: 1.0ug/ml