

Rabbit anti-Mouse Melk Polyclonal Antibody | anti-Melk antibody

(Mouse) Melk Antibody (C-term)

CATALOG # AAA285555	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

Melk; Polyclonal Antibody; (Mouse) Melk Antibody (C-term); Maternal embryonic leucine zipper kinase; Protein kinase PK38; mPK38; Tyrosine-protein kinase MELK; Kiaa0175; Pk38; anti-Melk antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This mouse Melk antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 434-468 amino acids from the C-terminal region of mouse Melk.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	643
Applicable Applications for anti-Melk antibody	ELISA, WB (Western Blot)
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-Melk Antibody (C-term) at 1:1000 dilution + mouse testis lysates. Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 73 kDa. Blocking/Dilution buffer: 5% NFD/TBST.



WB (Western Blot)

Anti-Melk Antibody (C-term) at 1:2000 dilution + mouse spleen lysates. Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 73 kDa. Blocking/Dilution buffer: 5% NFD/TBST.



WB (Western Blot)

Anti-Melk Antibody (C-term)at 1:1000 dilution + mouse ovary lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 73 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-Melk antibody	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. 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. Plays a key role in cell proliferation. Required for proliferation of embryonic and postnatal multipotent neural progenitors. Phosphorylates and inhibits BCL2L14. Also involved in the inhibition of spliceosome assembly during mitosis by phosphorylating ZNF622, thereby contributing to its redirection to the nucleus. May also play a role in primitive hematopoiesis.
Product Categories/Family for anti-Melk antibody	Stem Cells
References	Gil M.,et al.Gene 195:295-301(1997). Heyer B.S.,et al.Mol. Reprod. Dev. 47:148-156(1997). Carninci P.,et al.Science 309:1559-1563(2005). Okazaki N.,et al.DNA Res. 10:167-180(2003). Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).

NCBI AND UNIPROT INFORMATION

NCBI GI #	31981626
NCBI GeneID	17279
NCBI Accession #	NP_034920.2
NCBI GenBank Nucleotide #	NM_010790.2
UniProt Accession #	Q61846; Q3TPU1; Q61804; Q6ZQH6
Molecular Weight	72729
NCBI Official Full Name	maternal embryonic leucine zipper kinase
NCBI Official Synonym Full Names	maternal embryonic leucine zipper kinase
NCBI Official Symbol	Melk
NCBI Official Synonym Symbols	MPK38; AI327312; mKIAA0175
NCBI Protein Information	maternal embryonic leucine zipper kinase
UniProt Protein Name	Maternal embryonic leucine zipper kinase
UniProt Gene Name	Melk
UniProt Synonym Gene Names	Kiaa0175; Pk38; mPK38
UniProt Entry Name	MELK_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.