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MEX3C Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20253b

Product Information

Application	WB, E
Primary Accession	Q5U5Q3
Other Accession	Q05A36, NP_057710.3
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42709
Calculated MW	69366
Antigen Region	536-564

Additional Information

Gene ID	51320
Other Names	RNA-binding E3 ubiquitin-protein ligase MEX3C, 632-, RING finger and KH domain-containing protein 2, RING finger protein 194, MEX3C, RKHD2, RNF194
Target/Specificity	This MEX3C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 536-564 amino acids from the C-terminal region of human MEX3C.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MEX3C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MEX3C
Synonyms	RKHD2, RNF194

Function	E3 ubiquitin ligase responsible for the post-transcriptional regulation of common HLA-A allotypes. Binds to the 3' UTR of HLA-A2 mRNA, and regulates its levels by promoting mRNA decay. RNA binding is sufficient to prevent translation, but ubiquitin ligase activity is required for mRNA degradation.
Cellular Location	Cytoplasm. Nucleus. Note=Predominantly expressed in the cytoplasm and shuttles between the cytoplasm and the nucleus through the CRM1 export pathway. May act as suppressor of replication stress and chromosome missegregation
Tissue Location	Highest levels found in fetal brain and testis. Also expressed in thymus, salivary gland and uterus. Highly expressed in cells of the innate immune system, in particular activated NK cells Week expression in the intestine.

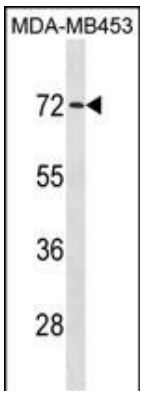
Background

This gene encodes a member of a family of proteins with two K homology (KH) RNA-binding domains and a C-terminal RING-finger domain. The protein interacts with mRNA via the KH domains, and the protein shuttles between the nucleus and cytoplasm. Polymorphisms in this gene may contribute to hypertension.

References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Buchet-Poyau, K., et al. Nucleic Acids Res. 35(4):1289-1300(2007)
Guzman, B., et al. Hypertension 48(5):883-891(2006)
Nusbaum, C., et al. Nature 437(7058):551-555(2005)

Images



MEX3C Antibody (C-term) (Cat. #AP20253b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the MEX3C antibody detected the MEX3C protein (arrow).