10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MEX3C Rabbit pAb

Catalog # AP98296

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q5U5Q3
Other Accession	Q5U5Q3
Reactivity	Rat, Mouse
Predicted	Pig, Human, Rabbit, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69366
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MEX3C
Epitope Specificity	411-500/659
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 2 KH domains. Contains 1 RING-type zinc finger.
SUBUNIT	Interacts with USP7, which antagonizes the ability to degrade mRNA.
DISEASE	Note=Genetic variations in MEX3C may be associated with susceptibility to essential hypertension.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Oct 2009]

Additional Information

Gene ID	51320
Other Names	BM-013; MEX-3C; RKHD2; RNF194; A130001D14Rik; MEX3C_HUMAN; MEX3C; RING finger and KH domain-containing protein 2; RING finger protein 194; RING-type E3 ubiquitin transferase MEX3C; 2.3.2.27; MEX3C_MOUSE; mex-3 RNA binding family member C; ring finger and KH domain containing 2; mex-3 homolog C (C. elegans)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.