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RNASE4 Rabbit pAb

Catalog # AP99144

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9JJH1
Other Accession	Q9JJH1
Reactivity	Rat
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17025
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse RNASE4
Epitope Specificity	91-190/148
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the pancreatic ribonuclease family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the pancreatic ribonuclease family. It plays an important role in mRNA cleavage and has marked specificity towards the 3' side of uridine nucleotides. Alternative splicing results in four transcript variants encoding the same protein. This gene and the gene that encodes angiogenin share promoters and 5' exons. Each gene splices to a unique downstream exon that contains its complete coding region. [provided by RefSeq, Aug 2013].

Additional Information

Other Names	CK820_G0047321; RAB1; RNS4; C730049F20Rik; CR201_G0032936; RNAS4_PANTR; RNASE4; RNase 4; 3.1.27.-; RNAS4_BOVIN; Ribonuclease BL4; RNAS4_HUMAN; RNAS4_MOUSE; RNAS4_PONAB; RNAS4_PIG; Ribonuclease PL3; RNAS4_RAT; RL3; ribonuclease A family member 4; ribonuclease, RNase A family, 4
Dilution	IHC-P=1:100-500,IHC-F=1:400-800,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	Rnase4
Function	Cleaves preferentially after uridine bases (By similarity). Has antimicrobial activity against uropathogenic E.coli (UPEC) (PubMed:30418175). Probably contributes to urinary tract sterility (By similarity).
Cellular Location	Secreted {ECO:0000250|UniProtKB:P34096}. Note=Detected in urine. {ECO:0000250|UniProtKB:P34096}
Tissue Location	Expressed in the cortical tubules of the kidney (at protein level) (PubMed:30418175). Also expressed in the medullary tubules of the kidney (PubMed:30418175).

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