

C9orf115 Rabbit pAb

Catalog # AP97703

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q86Y79
Other Accession	Q86Y79
Reactivity	Rat
Predicted	Pig, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22937
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C9orf115
Epitope Specificity	101-200/214
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 PTH family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	PTRH1 is a 214 amino acid protein that belongs to the PTH family. The PTRH1 protein is believed to be involved in RNA splicing, silencing and metabolism. The PTRH1 gene is conserved in chimpanzee, dog, cow, mouse, rat, zebrafish, A.thaliana and rice, and maps to human chromosome 9q34.11. Chromosome 9 consists of about 145 million bases and 4% of the human genome and encodes nearly 900 genes. Considered to play a role in gender determination, deletion of the distal portion of 9p can lead to development of male to female sex reversal, the phenotype of a female with a male X,Y genotype. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, is associated with the chromosome 9 gene encoding endoglin protein, ENG. Familial dysautonomia is also associated with chromosome 9 though through the gene IKBKAP. Notably, chromosome 9 encompasses the largest interferon family gene cluster. Chromosome 9 is partnered with chromosome 22 in the translocation leading to the aberrant production of BCR-ABL fusion protein often found in leukemias.

Additional Information

Gene ID	138428
Other Names	C9orf115; PTH1; PTH_HUMAN; PTRH1; PTH; 3.1.1.29; peptidyl-tRNA hydrolase 1 homolog; chromosome 9 open reading frame 115; peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=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	PTRH1 {ECO:0000303 PubMed:30244831, ECO:0000312 HGNC:HGNC:27039}
Function	Peptidyl-tRNA hydrolase that cleaves nascent chains-tRNAs that are not stably fixed in the P-site of 60S ribosome-nascent chain complexes (PubMed: 30244831). Acts downstream of the ribosome-associated quality control (RQC) pathway to release non-ubiquitinated nascent chains from 60S and 80S ribosome-nascent chain complexes (PubMed: 30244831). Does not act on ubiquitinated nascent chains, which are cleaved by ANKZF1 for degradation (PubMed: 30244831).

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