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C9orf3 Rabbit pAb

Catalog # AP97633

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8N6M6
Other Accession	Q8N6M6
Reactivity	Rat, Mouse
Predicted	Human, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	93572
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C9orf3
Epitope Specificity	201-300/819
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SIMILARITY	Belongs to the peptidase M1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C9orf3 is an aminopeptidase and belongs to the M1 family of metallopeptidases or gluzincins. Aminopeptidases catalyze the hydrolysis of amino acid residues from the N-terminus of peptide or protein substrates. C9orf3 is able to cleave angiotensin III to generate angiotensin IV, a bioactive peptide of the renin-angiotensin pathway but not able to cleave angiotensin I and angiotensin II. It may play a role in the proteolytic processing of bioactive peptides in tissues where it is expressed. C9orf3 is predominantly expressed in pancreas, placenta, liver, testis and heart and at lower level in brain, lung and kidney. There are four named isoforms.

Additional Information

Gene ID	84909
Other Names	AP-O; APO; C90RF3; C9orf3; DYT31; ONPEP; AMPO_HUMAN; AOPEP; 3.4.11.-; aminopeptidase O (putative); chromosome 9 open reading frame 3; aminopeptidase O
Dilution	WB=1:500-2000,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	AOPEP (HGNC:1361)
Synonyms	C9orf3, ONPEP
Function	Aminopeptidase which catalyzes the hydrolysis of amino acid residues from the N-terminus of peptide or protein substrates.
Cellular Location	Nucleus, nucleolus {ECO:0000250|UniProtKB:Q8BXQ6}

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