

C9orf21 Rabbit pAb

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Catalog # AP55946

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q7RTV5
Predicted	Rat, Pig, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24857
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C9orf21
Epitope Specificity	101-200/226
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C9orf21 (chromosome 9 open reading frame 21) is a 226 amino acid protein that belongs to the UPF0308 family and is encoded by a gene that maps to human chromosome 9q22.33. Chromosome 9 consists of about 145 million bases, represents 4% of the human genome and encodes nearly 900 genes. Thought 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	195827
Other Names	Peroxiredoxin-like 2C, AhpC/TSA antioxidant enzyme domain-containing protein 1, Thioredoxin-like protein AAED1, PRXL2C (HGNC:16881)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	PRXL2C (HGNC:16881)
Function	May positively regulate ERK1/2 signaling and AKT1 activation leading to HIF1A up-regulation with an increased expression of glycolysis genes and enhanced glycolysis.
Tissue Location	Expressed in gastric tissues.

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