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C9orf5 Rabbit pAb

Catalog # AP96595

Product Information

Application	WB, E
Primary Accession	Q9H330
Other Accession	Q9H330
Predicted	Human, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97357
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C9orf5
Epitope Specificity	201-300/911
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 UPF0118 (TMEM245) family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	C9orf5 (chromosome 9 open reading frame 5), also known as CG2, is a 911 amino acid multi-pass membrane protein that is widely expressed and exists as four alternatively spliced isoforms. The gene encoding C9orf5 maps to human chromosome 9, which consists of about 145 million bases, represents 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	23731
Other Names	C9orf5; CG-2; CG2; TM245_HUMAN; TMEM245; Protein CG-2; transmembrane protein 245; chromosome 9 open reading frame 5
Dilution	WB=1:500-2000,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	TMEM245
Synonyms	C9orf5
Cellular Location	Membrane; Multi-pass membrane protein
Tissue Location	Widely expressed..

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