

C9orf78 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55957

Specification

C9orf78 Polyclonal Antibody - Product Information

Application Primary Accession

Reactivity
Host
Clonality
Calculated MW
Physical State
Immunogen

Epitope Specificity

Isotype Purity

affinity purified by Protein A

WB, IHC-P, IHC-F, IF, ICC, E

09NZ63

Rat, Pig, Dog, Bovine

Rabbit Polyclonal 34 KDa Liquid

KLH conjugated synthetic peptide derived

from human C9orf78

21-120/289

IqG

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

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. The C9orf78 gene product has been provisionally designated C9orf78 pending further characterization.

C9orf78 Polyclonal Antibody - Additional Information

Gene ID 51759

Other Names

Telomere length and silencing protein 1 homolog, Hepatocellular carcinoma-associated antigen 59, C9orf78, HCA59

Dilution

WB~~1:1000<br \><span class</pre>

="dilution_IHC-P">IHC-P~~N/A<br \><span class

="dilution_IHC-F">IHC-F~~N/A<br \><span class



Tel: 858.875.1900 Fax: 858.875.1999

="dilution IF">IF \sim 1:50 \sim 200
span class ="dilution ICC">ICC \sim N/A
br \>E~~N/A

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.

C9orf78 Polyclonal Antibody - Protein Information

Name C9orf78

Synonyms HCA59 {ECO:0000303|PubMed:12097419}

Plays a role in pre-mRNA splicing by promoting usage of the upstream 3'-splice site at alternative NAGNAG splice sites; these are sites featuring alternative acceptor motifs separated by only a few nucleotides (PubMed:35241646). May also modulate exon inclusion events (PubMed:35241646). Plays a role in spliceosomal remodeling by displacing WBP4 from SNRNP200 and may act to inhibit SNRNP200 helicase activity (PubMed: 35241646). Binds U5 snRNA (PubMed:35241646). Required for proper chromosome segregation (PubMed: 35167828). Not required for splicing of shelterin components (PubMed:35167828).

Cellular Location

Nucleus. Chromosome, centromere. Note=Dispersed throughout the nucleus during interphase (PubMed:35167828). Colocalizes with microtubule attachment sites at centromeres following mitotic checkpoint activation (PubMed:35167828).

C9orf78 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

C9orf78 Polyclonal Antibody - Images