

C9orf6 Rabbit pAb

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Catalog # AP55952

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NX38
Reactivity	Rat
Predicted	Pig, Dog, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20378
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C9orf6
Epitope Specificity	1-100/181
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	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 C9orf6 gene product has been provisionally designated C9orf6 pending further characterization.

Additional Information

Gene ID	54942
Other Names	Protein Abitram, Actin-binding transcription modulator {ECO:0000312 HGNC:HGNC:1364}, Protein Simiate, ABITRAM (HGNC:1364)
Dilution	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.

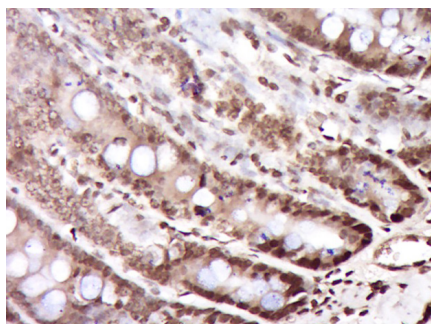
Protein Information

Name	ABITRAM (HGNC:1364)
Function	Actin-binding protein that regulates actin polymerization, filopodia dynamics and increases the branching of proximal dendrites of developing neurons.
Cellular Location	Nucleus speckle {ECO:0000250 UniProtKB:Q80ZQ9}. Cell projection, lamellipodium {ECO:0000250 UniProtKB:Q80ZQ9}. Nucleus {ECO:0000250 UniProtKB:Q80ZQ9}. Cell projection, growth cone {ECO:0000250 UniProtKB:Q80ZQ9}. Cell projection, dendrite {ECO:0000250 UniProtKB:Q80ZQ9}. Note=Localizes to somata and dendrites in cortical neurons (By similarity). Colocalizes with G- and F-actin in lamellipodia (By similarity). Colocalizes in the nucleus with PTK2 (By similarity). {ECO:0000250 UniProtKB:Q80ZQ9}

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Rat small intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (C9orf6) Polyclonal Antibody, Unconjugated (AP55952) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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