10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

C3orf58 Rabbit pAb

C3orf58 Rabbit pAb
Catalog # AP55854

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8NDZ4
Reactivity	Rat, Human, Mouse
Predicted	Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49482
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C3orf58
Epitope Specificity	351-430/430
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	C3orf58 (chromosome 3 open reading frame 58), also known as DIA1, is a 430 amino acid secreted protein that belongs to the UPF0672 family. C3orf58 is encoded by a gene that maps to human chromosome 3q24. Chromosome 3 is made up of approximately 214 million bases encoding over 1,100 genes. Notably, there is a chemokine receptor gene cluster and a variety of human cancer related loci on chromosome 3. Particular regions of the chromosome 3 short arm are deleted in many types of cancer cells. Key tumor suppressing genes on chromosome 3 encode apoptosis mediator RASSF1, cell migration regulator HYAL1 and angiogenesis suppressor SEMA3B. Marfan Syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth disease are a few of the numerous genetic diseases associated with chromosome 3.

Additional Information

Gene ID	205428
Other Names	Divergent protein kinase domain 2A, Deleted in autism protein 1, Golgi Protein of 49 kDa, GoPro49, Hypoxia and AKT-induced stem cell factor, HASF, DIPK2A (HGNC:28490)
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.

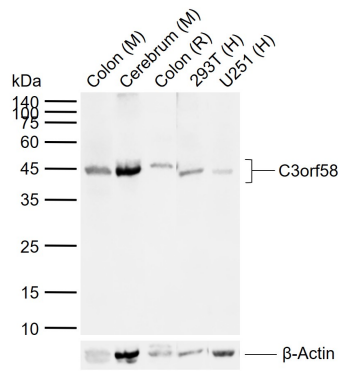
Protein Information

Name	DIPK2A (HGNC:28490)
Function	May play a role in cardiomyocyte proliferation through paracrine signaling and activation of the PPI3K-AKT-CDK7 signaling cascade.
Cellular Location	Cytoplasmic vesicle, COPI-coated vesicle. Golgi apparatus. Secreted

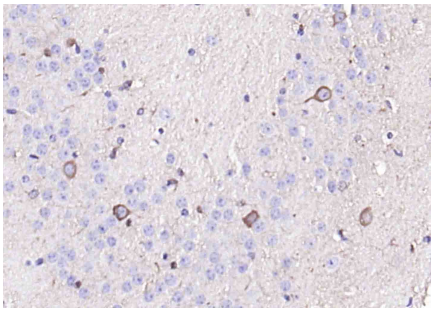
Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Sample:
Lane 1: Mouse Colon tissue lysates
Lane 2: Mouse Cerebrum tissue lysates
Lane 3: Rat Colon tissue lysates
Lane 4: Human 293T cell lysates
Lane 5: Human U251 cell lysates
Primary: Anti-C3orf58 (AP55854) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 49 kDa
Observed band size: 45 kDa



Paraformaldehyde-fixed, paraffin embedded (mouse brain); 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 (C3orf58) Polyclonal Antibody, Unconjugated (AP55854) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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