

C3orf58 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55854**Specification****C3orf58 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	Q8NDZ4
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49 KDa
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.

C3orf58 Polyclonal Antibody - 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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=28490)
HGNC:28490

Dilution

WB ~ 1:1000

=>IHC-P~N/A<br \><span class
=>IHC-F~N/A<br \><span class
=>IF~~1:50~200<br \>ICC~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.

C3orf58 Polyclonal Antibody - 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

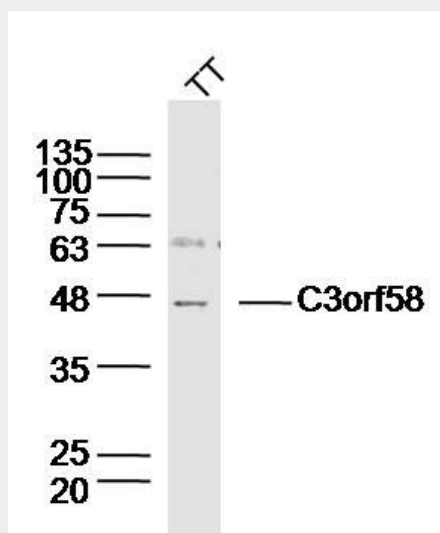
Cytoplasmic vesicle, COPI-coated vesicle. Golgi apparatus. Secreted

C3orf58 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 Cytometry](#)
- [Cell Culture](#)

C3orf58 Polyclonal Antibody - Images



Sample: TT(human) Cell Lysate at 40 ug

Primary: Anti-C3orf58 (bs-15179R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 49 kD
Observed band size: 48 kD