

For Research Use Only

ZC3H12A Polyclonal antibody

Catalog Number: 25009-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

25009-1-AP

Size:

150ul, Concentration: 850 ug/ml by Nanodrop and 480 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13877

GenBank Accession Number:

BC005001

GeneID (NCBI):

80149

UNIPROT ID:

Q5D1E8

Full Name:

zinc finger CCCH-type containing 12A

Calculated MW:

599 aa, 66 kDa

Observed MW:

66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : K-562 cells, mouse spleen tissue, Raji cells

IP : Raji cells,

IHC : human urothelial carcinoma tissue, mouse kidney tissue, rat kidney tissue

Background Information

ZC3H12A, also named as MCPIP or MCPIP1, is a 599 amino acid protein, which contains one C3H1-type zinc finger and belongs to the ZC3H12 family. ZC3H12A localizes in the cytoplasm and nucleus. Increased expression of ZC3H12A is associated with ischemic heart disease. ZC3H12A has RNase activity and selectively degrades specific target mRNA species and modulates the immune response and inflammation by regulating the decay of specific mRNA molecules.

Notable Publications

Author	Pubmed ID	Journal	Application
Shumin Chen	30179651	Neurosci Lett	IF
Fang Han	36272359	Int Immunopharmacol	WB
Min Li	29043433	Med Microbiol Immunol	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

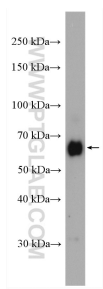
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

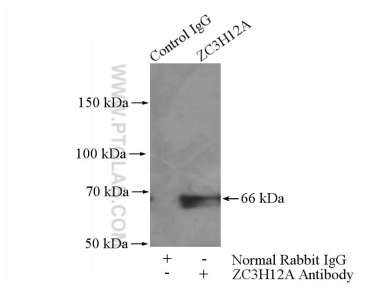
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

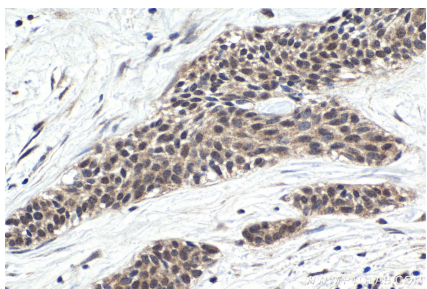
Selected Validation Data



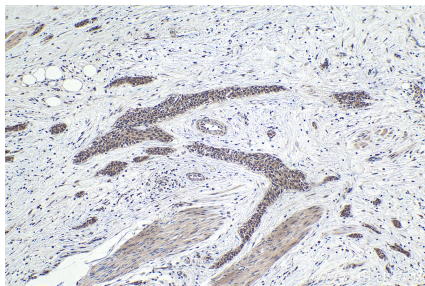
K-562 cells were subjected to SDS PAGE followed by western blot with 25009-1-AP (ZC3H12A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



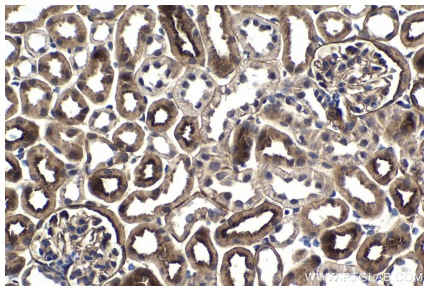
IP result of anti-ZC3H12A (IP:25009-1-AP, 4ug; Detection:25009-1-AP 1:300) with Raji cells lysate 2000ug.



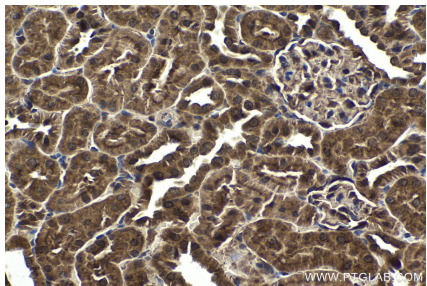
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 25009-1-AP (ZC3H12A antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 25009-1-AP (ZC3H12A antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 25009-1-AP (ZC3H12A antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 25009-1-AP (ZC3H12A antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).