

For Research Use Only

FAM96B Polyclonal antibody

Catalog Number: 20108-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

20108-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13827

GenBank Accession Number:

BC001733

GeneID (NCBI):

51647

UNIPROT ID:

Q9Y3D0

Full Name:

family with sequence similarity 96, member B

Calculated MW:

163 aa, 18 kDa

Observed MW:

18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, ColP

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : HEK-293 cells, Ramos cells, HeLa cells, K-562 cells

IP : K-562 cells,

IHC : mouse kidney tissue, mouse testis tissue

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

Background Information

FAM96B, also known as MIP18 or CIAO2B (Cytosolic iron-sulfur assembly component 2B), is a component of the cytosolic iron-sulfur protein assembly (CIA) complex involved in iron homeostasis and part of the MMXD complex contributed to proper chromosome segregation (PMID: 36503010). FAM96B may act as a scaffold protein to recruit CKB and the other components of the MMXD complex to associate with the spindle and mitotic apparatus and contributes to chromosome segregation.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaorui Fan	35654137	J Biol Chem	WB
Laura Mariotti	32576938	Commun Biol	WB
Adarsh K Mayank	31229404	Mol Cell	WB

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

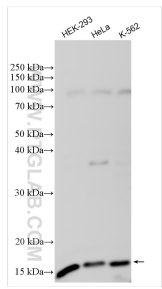
For technical support and original validation data for this product please contact:

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

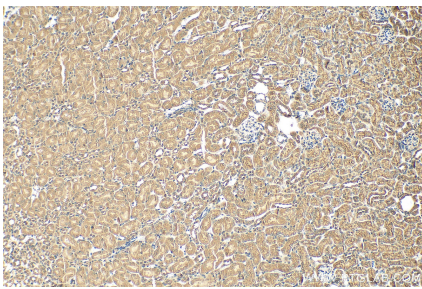
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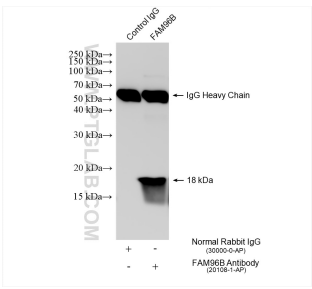
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20108-1-AP (FAM96B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 20108-1-AP (FAM96B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-FAM96B (IP:20108-1-AP, 4ug; Detection:20108-1-AP 1:300) with K-562 cells lysate 2400 ug.