

# APOBEC2 Polyclonal antibody

Catalog Number: 20121-1-AP

2 Publications

## Basic Information

### Catalog Number:

20121-1-AP

### Size:

1300 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13699

### GenBank Accession Number:

BC047767

### GeneID (NCBI):

10930

### UNIPROT ID:

Q9Y235

### Full Name:

apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2

### Calculated MW:

26 kDa

### Observed MW:

25-30 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:50000

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

IHC 1:50-1:500

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Species Specificity:

human, mouse, rat

**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 : mouse heart tissue, mouse skeletal muscle tissue, rat heart tissue, rat skeletal muscle tissue

IP : mouse skeletal muscle tissue,

IHC : mouse heart tissue, human heart tissue

## Background Information

APOBEC2, also named as ARCD1 and ARP1, is a member of the activation-induced deaminase/apolipoprotein B mRNA editing enzyme catalytic polypeptide (APOBEC) cytidine deaminase family expressed in differentiated skeletal and cardiac muscle. APOBEC family members have diverse roles by their ability to edit DNA and/or RNA. Apobec2 is one of the oldest members of the APOBEC family, along with the lymphoid-specific activation-induced deaminase. Unlike other APOBEC family members, the enzymatic activity and substrate of Apobec2 have not been fully demonstrated, and its biologic functions remain unknown. It can be detected as 25-30 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Aimei Li	31485598	Int J Oncol	
Antti Nätyinki	38326167	J Dermatol Sci	

## 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

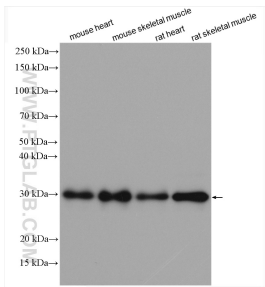
For technical support and original validation data for this product please contact:

T: 4006900926

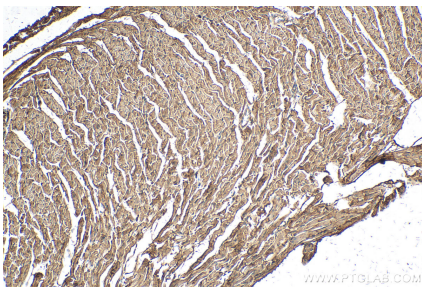
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

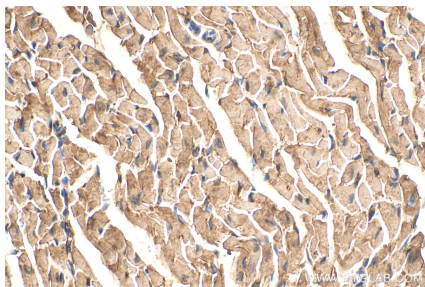
Selected Validation Data



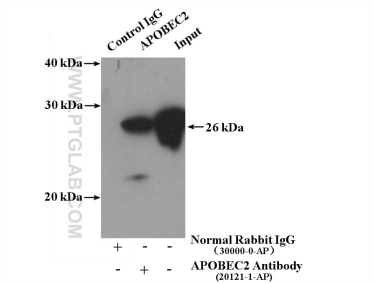
Various lysates were subjected to SDS PAGE followed by western blot with 20121-1-AP (APOBEC2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 20121-1-AP (APOBEC2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 20121-1-AP (APOBEC2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-APOBEC2 (IP: 20121-1-AP, 4ug; Detection: 20121-1-AP 1:500) with mouse skeletal muscle tissue lysate 4000ug.