

For Research Use Only

# COQ10A Polyclonal antibody

Catalog Number: 17812-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 17812-1-AP	<b>GenBank Accession Number:</b> BC073923	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 93058	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> coenzyme Q10 homolog A (S. cerevisiae)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 247 aa, 28 kDa	
<b>Immunogen Catalog Number:</b> AG12126	<b>Observed MW:</b> 20-23 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : human heart tissue, mouse skeletal muscle tissue
<b>Cited Applications:</b> IHC, WB	<b>IHC :</b> human liver tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IF :</b> HepG2 cells,
<b>Cited Species:</b> human, rat	

**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

### Notable Publications

Author	Pubmed ID	Journal	Application
Bingju Yan	30483777	Mol Med Rep	WB
Hui S Tsui	31048406	J Lipid Res	WB
Jianhua Yu	29435072	Oncol Lett	WB

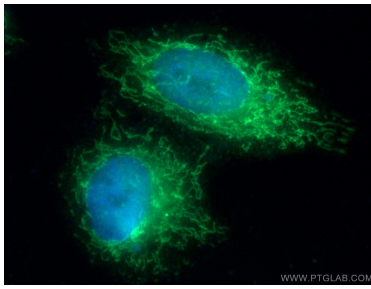
## Storage

**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

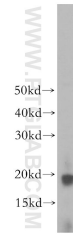
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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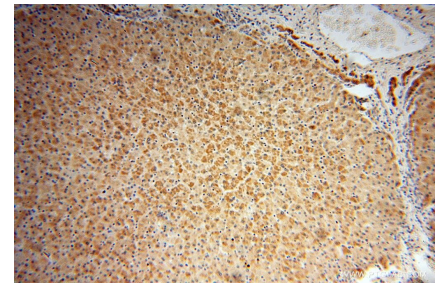
## Selected Validation Data



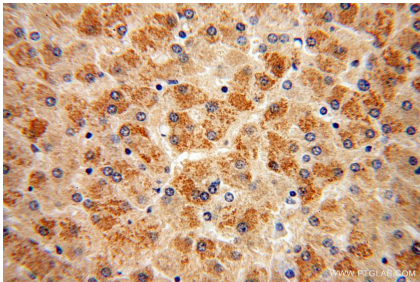
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 17812-1-AP (COQ10A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



human heart tissue were subjected to SDS PAGE followed by western blot with 17812-1-AP (COQ10A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver using 17812-1-AP (COQ10A antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 17812-1-AP (COQ10A antibody) at dilution of 1:100 (under 40x lens).