

For Research Use Only

# AIP/ARA9 Polyclonal antibody

Catalog Number: 18176-1-AP

2 Publications



## Basic Information

### Catalog Number:

18176-1-AP

### Size:

150ul , Concentration: 500 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12869

### GenBank Accession Number:

BC104797

### GeneID (NCBI):

9049

### UNIPROT ID:

O00170

### Full Name:

aryl hydrocarbon receptor interacting protein

### Calculated MW:

330 aa, 38 kDa

### Observed MW:

38 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:20-1:200

FC (Intra): 0.40 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

### Tested Applications:

WB, IHC, FC (Intra), ELISA

### Cited Applications:

WB, IHC, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

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 : HepG2 cells, HeLa cells, NIH/3T3 cells

IHC : human liver cancer tissue, human heart tissue

FC (Intra) : HeLa cells,

## Notable Publications

Author	Pubmed ID	Journal	Application
Frank L. van de Veerdonk	34847078	J Clin Invest	IP
Wei Zhang	38961957	Heliyon	WB,IHC

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

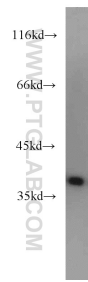
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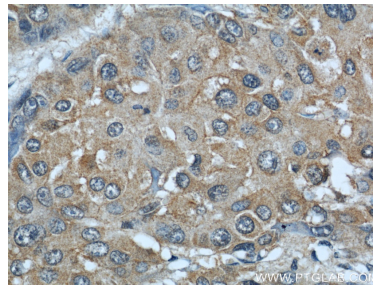
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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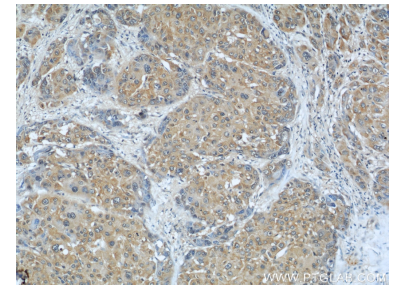
## Selected Validation Data



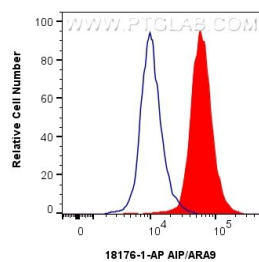
HepG2 cells were subjected to SDS PAGE followed by western blot with 18176-1-AP (AIP/ARA9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer using 18176-1-AP (AIP/ARA9 antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer using 18176-1-AP (AIP/ARA9 antibody) at dilution of 1:50 (under 10x lens).



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4 ug AIP/ARA9 Polyclonal antibody (18176-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).