

For Research Use Only

# IYD Polyclonal antibody

Catalog Number: 16667-1-AP

4 Publications



## Basic Information

### Catalog Number:

16667-1-AP

### Size:

150ul, Concentration: 133 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10146

### GenBank Accession Number:

BC056253

### GeneID (NCBI):

389434

### UNIPROT ID:

Q6PHW0

### Full Name:

iodotyrosine deiodinase

### Calculated MW:

289 aa, 33 kDa

### Observed MW:

33 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

human

### Cited Species:

human, mouse

### Positive Controls:

WB : human liver tissue,

## Background Information

IYD(Iodotyrosine dehalogenase 1) is also named as C6orf71, DEHAL1 and belongs to the nitroreductase family. It is a transmembrane protein that deiodinates mono- and di-iodotyrosines (MIT, DIT) and recycles iodine, a scarce element in the environment, for the efficient synthesis of thyroid hormone. This protein has 6 isoforms produced by alternative splicing.

## Notable Publications

| Author       | Pubmed ID | Journal                 | Application |
|--------------|-----------|-------------------------|-------------|
| Kyung Ho Han | 31968623  | Cells                   | IF          |
| Yudong Liu   | 38492000  | Cell Tissue Res         | IHC         |
| Liyu Qian    | 37294527  | Breast Cancer Res Treat | 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

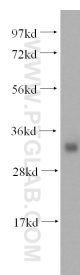
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## Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 16667-1-AP (IYD antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.