

For Research Use Only

# IYD Polyclonal antibody

Catalog Number: 16667-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 16667-1-AP	<b>GenBank Accession Number:</b> BC056253	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 133 µg/ml	<b>GeneID (NCBI):</b> 389434	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6PHW0	
<b>Isotype:</b> IgG	<b>Full Name:</b> iodotyrosine deiodinase	
<b>Immunogen Catalog Number:</b> AG10146	<b>Calculated MW:</b> 289 aa, 33 kDa	
	<b>Observed MW:</b> 33 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human liver tissue,
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	

## 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
Liyu Qian	37294527	Breast Cancer Res Treat	WB
Shimizu Ryo R	24012475	Toxicology	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:

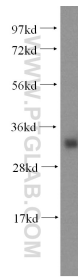
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

## Selected Validation Data



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