

For Research Use Only

IYD Polyclonal antibody

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



Basic Information

Catalog Number: 16667-1-AP	GenBank Accession Number: BC056253	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 133 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 389434	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: iodotyrosine deiodinase	
Isotype: IgG	Calculated MW: 289 aa, 33 kDa	
Immunogen Catalog Number: AG10146	Observed MW: 33 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human liver tissue,
Cited Applications: IF, WB	
Species Specificity: human	
Cited Species: 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

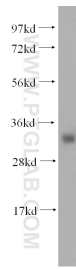
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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
W: ptglab.com

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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.