

Allgemeine Informationen

Katalog-Nr.: 11790-1-AP	GenBank-Zugangsnummer: BC017955	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 650 µg/ml von Nanodrop und 447 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 1733	Empfohlene Verdünnungen: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: deiodinase, iodothyronine, type I	
Isotyp: IgG	Berechnete Masse: 249 aa, 29 kDa	
Immunogen Katalognummer: AG2410	Beobachtete Masse: 29 kDa, 13 kDa	

Anwendungen

Geprüfte Anwendungen: FC, IF, IHC, WB,ELISA	Positivkontrollen: WB : Mauslungengewebe, A549-Zellen, HeLa-Zellen, Maus-Eierstockgewebe, Rattenlungengewebe, U-937-Zellen IHC : humanes Leberkarzinomgewebe, humanes Nierengewebe, humanes Ovarialkarzinomgewebe IF : A549-Zellen,
In Publikationen genannte Anwendungen: IF, IHC, WB	
Getestete Reaktivität: Human, Maus, Ratte	
Zitierte Arten: Human, Maus, Ratte	

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

DIO1(Type I iodothyronine deiodinase) is also named as ITDI1, TXDI1,5DI,DIOI and belongs to the iodothyronine deiodinase family.It is a membrane selenoprotein that catalyzes the deiodination of L-thyroxine to the biologically active thyroid hormone 3,3',5-triiodothyronine.DIO1 is located in liver, kidney, and thyroid,which has both ORD and IRD activities(PMID: 9389495). It has some isoforms produced by alternative splicing with the MW of 29 kDa, 21 kDa, 13 kDa, 23 kDa, 19 kDa, 4 kDa, 13 kDa, 9 kDa and 10 kDa.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Paula B M De Andrade	26441673	Front Physiol	WB
B Chellan	33122797	Sci Rep	WB
Xiang Li	35553364	Breast Cancer	WB

Lagerung

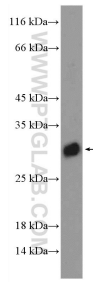
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

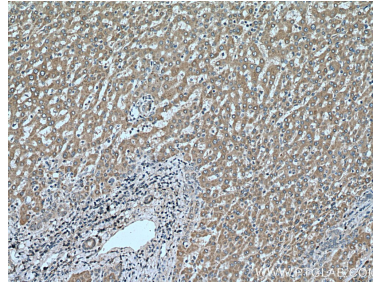
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

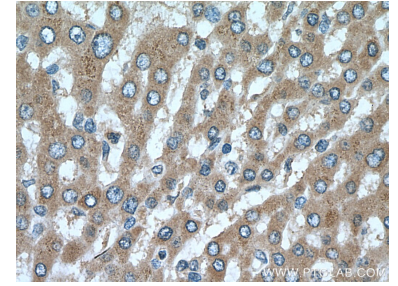
Ausgewählte Validierungsdaten



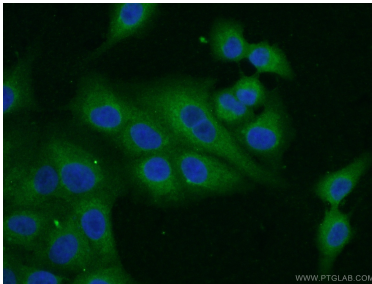
mouse lung tissue were subjected to SDS PAGE followed by western blot with 11790-1-AP (DIO1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



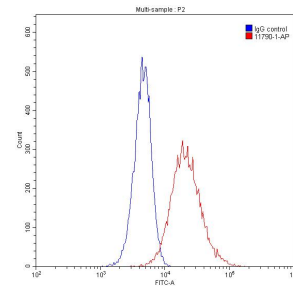
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11790-1-AP (DIO1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11790-1-AP (DIO1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed A549 cells using 11790-1-AP (DIO1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1×10^6 HeLa cells were stained with 0.20 μ g DIO1 antibody (11790-1-AP, red) and control antibody (blue). Fixed with 90% MeOH.