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Datasheet for ABIN390946
anti-DIO1 antibody (N-Term)

2 Images

Overview

Quantity:	400 µL
Target:	DIO1
Binding Specificity:	AA 30-57, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DIO1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This DIO1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 30-57 amino acids from the N-terminal region of human DIO1.
Clone:	RB21147
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	DIO1
Alternative Name:	DIO1 (DIO1 Products)
Background:	DIO1 is a thiol-requiring propylthiouracil-sensitive oxidoreductase. It activates thyroid hormone

Target Details

by converting the prohormone thyroxine (T4) by outer ring deiodination (ORD) to bioactive 3,3',5-triiodothyronine (T3). It also degrades both hormones by inner ring deiodination (IRD).

Molecular Weight: 28924

Gene ID: 1733

NCBI Accession: [NP_000783](#), [NP_001034804](#), [NP_001034805](#), [NP_998758](#)

UniProt: [P49895](#)

Pathways: [Hormone Activity](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

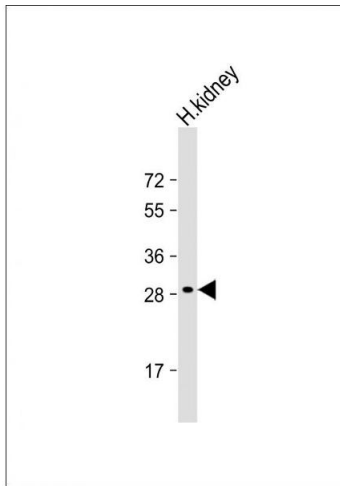
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

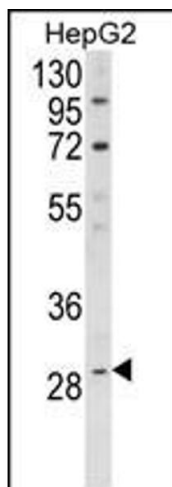
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. Anti-DIO1 Antibody (N-term) at 1:2000 dilution + human kidney whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 29 kDa
Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 2. Western blot analysis of DIO1 Antibody (N-term) (ABIN390946 and ABIN2841139) in HepG2 cell line lysates (35 μ g/lane). DIO1 (arrow) was detected using the purified Pab.