

## Product datasheet for **AP17281PU-N**

### **DIO1 (N-term) Rabbit Polyclonal Antibody**

#### **Product data:**

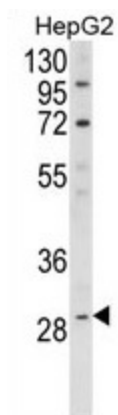
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>ELISA:</b> 1/1,000. <b>Western blot:</b> 1/1,000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 30~57 amino acids from the N-terminal region of Human DIO1
Specificity:	This antibody detects DIO1 at N-term.
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	deiodinase, iodothyronine type I
Database Link:	<a href="#">Entrez Gene 1733 Human P49895</a>
Background:	DIO1 is a thiol-requiring propylthiouracil-sensitive oxidoreductase. It activates thyroid hormone 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).
Synonyms:	DIOI, ITDI1, TXDI1
Note:	<b>Calculated Molecular weight:</b> 28924 Da



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Protein Families: Druggable Genome, Transmembrane

### Product images:



Western blot analysis of DIO1 Antibody (N-term) in HepG2 cell line lysates (35ug/lane). DIO1 (arrow) was detected using the purified Pab.