

# DIO3 Rabbit pAb

货号: **AYP13383**

## 产品信息

反应	Human
宿主	Rabbit
克隆性	Polyclonal
预测反应	<b>WB:</b> Anser cygnoides domesticus
应用	<a href="#">WB</a>
推荐浓度	<b>WB:</b> 1:500 - 1:2000
理论分子量	33kDa
实测分子量	34kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
偶联物	Unconjugated
阳性对照	SW620, HepG2, MCF7
细胞定位	Cell membrane, Endosome membrane, Single-pass type II membrane protein
纯化	Affinity purification

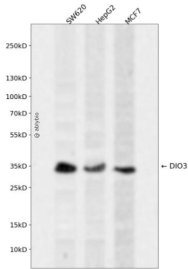
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 70-170 of human DIO3 (NP_001353.4).
序列	HFLGRRRRGQPEPEVELNSEGEEVPPDDPPICVSDNRLCTLASLKAVWHGQKLDFFKQAHEGGPAPNSEVVLPGFQS QHILDYAQGNRPLVLFNGSCTU

## 靶点信息

研究背景	The protein encoded by this intronless gene belongs to the iodothyronine deiodinase family. It catalyzes the inactivation of thyroid hormone by inner ring deiodination of the prohormone thyroxine (T4) and the bioactive hormone 3,3',5-triiodothyronine (T3) to inactive metabolites, 3,3',5'-triiodothyronine (RT3) and 3,3'-diiodothyronine (T2), respectively. This enzyme is highly expressed in pregnant uterus, placenta, fetal and neonatal tissues, and thought to prevent premature exposure of developing fetal tissues to adult levels of thyroid hormones. It regulates circulating fetal thyroid hormone concentrations, and thus plays a critical role in mammalian development. Knockout mice lacking this gene exhibit abnormalities related to development and reproduction, and increased activity of this enzyme in infants with hemangiomas causes severe hypothyroidism. This protein is a selenoprotein, containing the rare selenocysteine (Sec) amino acid at its active site. Sec is encoded by the UGA codon, which normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal.
基因ID	1735
基因名	DIO3
Swiss	P55073
别名	DIO3;5DIII;D3;DIOIII;TXDI3

## 产品验证



Western blot analysis of DIO3 expressed in SW620,HepG2,MCF7 using DIO3 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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