

A9206

Leader in Biomolecular Solutions for Life Science



## IYD Rabbit pAb

Catalog No.: A9206

### Basic Information

**Observed MW**

25kDa

**Calculated MW**

33kDa

**Category**

Polyclonal Antibody

**Applications**

WB, ELISA

**Cross-Reactivity**

Mouse

### Background

This gene encodes an enzyme that catalyzes the oxidative NADPH-dependent deiodination of mono- and diiodotyrosine, which are the halogenated byproducts of thyroid hormone production. The N-terminus of the protein functions as a membrane anchor. Mutations in this gene cause congenital hypothyroidism due to dyshormonogenesis type 4, which is also referred to as deiodinase deficiency, or iodotyrosine dehalogenase deficiency, or thyroid hormonogenesis type 4. Alternative splicing results in multiple transcript variants.

### Recommended Dilutions

WB 1:200 - 1:2000

### Immunogen Information

**Gene ID**

389434

**Swiss Prot**

Q6PHW0

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 24-214 of human IYD (NP\_981932.1).

**Synonyms**

TDH4; IYD-1; DEHAL1; C6orf71; IYD

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

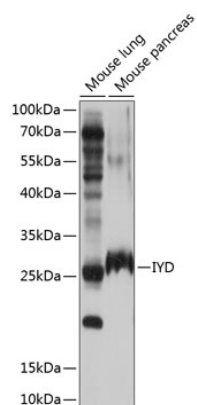
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of various lysates using IYD Rabbit pAb (A9206) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.