

**PAC903Ra01**

**Polyclonal Antibody to Deiodinase, Iodothyronine, Type II (DIO2)**

**Organism Species: *Rattus norvegicus* (Rat)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

---

13th Edition (Revised in Aug, 2023)

### **[ PROPERTIES ]**

**Source:** Polyclonal antibody preparation

**Host:** Rabbit

**Purification:** Antigen-specific affinity chromatography followed by Protein A affinity chromatography

**Traits:** Liquid

**Concentration:** 0.5mg/mL

**UOM:** 200μL

**Cross Reactivity:** Mouse

**Applications:** WB

### **[ IMMUNOGEN ]**

**Immunogen:** Recombinant DIO2 (Ser30~Phe259) expressed in *E.coli*

**Accession No.:** RPC903Ra01

### **[ APPLICATIONS ]**

Western blotting: 0.01-2μg/mL;

Optimal working dilutions must be determined by end user.

### **[ FORMULATION ]**

**Form & Buffer:** Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

### **[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**[ IDENTIFICATION ]**



Figure. Western Blot; Sample: Lane1: Rat Brain Tissue; Lane2: Mouse Brain Tissue.

Western Blot; Samples: Lane1: Rat Heart lysate; Lane2: Rat Skeletal muscle lysate;  
 Primary Ab: 0.5 $\mu$ g/ml Rabbit Anti-Rat DIO2 Antibody  
 Second Ab: 0.2 $\mu$ g/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody  
 (Catalog: SAA544Rb19)

**[ IMPORTANT NOTE ]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.