Mouse Anti-PIT1/POU1F1 [2C11]: MC0493, MC0493RTU7

**Intended Use:** For Research Use Only

**Description:** Belongs to the POU transcription factor family. Class-I subfamily. Transcription factor involved in the specification of the lactotrope, somatotrope, and thyrotrope phenotypes in the developing anterior pituitary. Activates growth hormone and prolactin genes. Specifically binds to the consensus sequence 5'-TAAAT-3'. Defects in POU1F1 are the cause of pituitary hormone deficiency combined type 1 (CPHD1). CPHD is characterized by impaired production of growth hormone (GH) and one or more of the other five anterior pituitary hormones.

**Specifications:**
- **Clone:** 2C11
- **Source:** Mouse
- **Isotype:** IgG1k
- **Reactivity:** Human, mouse, rat, sheep, cow
- **Localization:** Nucleus
- **Formulation:** Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
- **Storage:** Store at 2°- 8°C
- **Applications:** IHC, ICC/IF, WB

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
<th>Size</th>
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</thead>
<tbody>
<tr>
<td>PIT1/POU1F1 Concentrated</td>
<td>MC0493</td>
<td>1 ml</td>
</tr>
<tr>
<td>PIT1/POU1F1 Prediluted</td>
<td>MC0493RTU7</td>
<td>7 ml</td>
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</tbody>
</table>

**IHC Procedure*:  
- **Positive Control Tissue:** Liver, pituitary adenomas  
- **Concentrated Dilution:** 50-200  
- **Pretreatment:** Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
- **Incubation Time and Temp:** 30-60 minutes @ RT  
- **Detection:** Refer to the detection system manual  

* Result should be confirmed by an established diagnostic procedure.

**References:**