

## ***Monoclonal Anti-human DAX1/NR0B1 Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** PP-H7431-00

**Clone:** H7431

**GenBank:** S74720

**Ig Class:** mouse IgG<sub>2A</sub>

**Volume:** 100 µL

**Concentration:** 1 mg/mL

**Formulation:** A liquid formulation in  
physiologic saline with  
0.1% NaN<sub>3</sub>

**Storage:** ≤ -20 °C

**Specificity:** human DAX1

**Applications:** Western Blot  
Direct ELISA

### ***Description***

Dosage-sensitive sex reversal, adrenal hypoplasia critical region on the X chromosome, gene 1 (DAX1, AHCH; NR0B1) is a member of the Orphan Nuclear Receptor family. DAX1 is expressed in the adrenal cortex, ovarian granulosa, theca cells, testicular Leydig cells, Sertoli cells, anterior pituitary gonadotrope cells and the neurons of the ventromedial nucleus of the hypothalamus. DAX1 is involved in controlling development of the hypothalamic-pituitary axis, as well as in gonadal development and sex determination. DAX1 was shown to interact physically with Steroidogenic Factor 1 (SF-1).

### ***Preparation***

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human DAX1 (amino acids 1 - 80) and mouse myeloma cells (NS-1). The IgG fraction of ascites fluid was purified by ammonium sulfate fractionation.

### ***Formulation***

A liquid formulation in physiologic saline with 0.1% NaN<sub>3</sub>.

### ***Storage***

This antibody is stable for greater than six months when held at -20 °C in a **manual defrost freezer** or at -70 °C. Upon thawing, the antibody can be stored at 2-8 °C for at least 1 month without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### ***Specificity***

This antibody specifically recognizes human DAX1. Not yet tested in other species.

### ***Applications***

**Western Blot** - This antibody can be used at 1 µg/mL under reducing conditions with the appropriate secondary reagents to detect human DAX1.

**Direct ELISA** - This antibody can be used at 0.6 µg/mL with the appropriate secondary reagents to detect human DAX1.

**Optimal dilutions should be determined by each laboratory for each application.**

**Caution:** Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.



**Manufactured by:**

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9/16

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