

**Rabbit Anti-STAR [EP226]: RM0303**

**Intended Use:** For Research Use Only

**Description:** Steroidogenic acute regulatory protein (STAR), is a rapidly synthesized labile mitochondrial phosphoprotein whose expression, activation and extinction is regulated by protein kinase A (PKA) and PKC, as well as a host of other signaling pathways. STAR is primarily present in steroid-producing cells, including Leydig cells in the testis, theca cells and luteal cells in the ovary and adrenal cells in the adrenal cortex. Low level of STAR expression in other tissues that produce steroid hormones for local use have been reported. STAR is a sensitive and specific marker for Leydig cell tumor. It is useful for differential diagnosis of sex-cord stromal tumor (SCST).

**Specifications**

Clone: EP226  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human  
Localization: Cytoplasm  
Formulation: Tissue culture supernatant in PBS pH7.5, containing 0.2% BSA, 15mM sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles  
Applications: IHC  
Package:

Description	Catalog No.	Size
STAR Concentrated	RM0303	1 ml

**IHC Procedure**

Positive Control Tissue: Leydig cell tumor, testis  
Concentrated Dilution: 50-200  
Pretreatment: 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.

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