

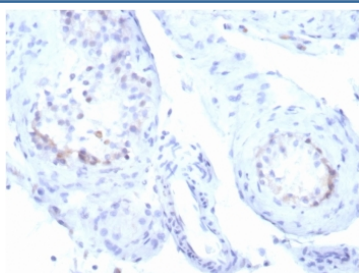
## Recombinant StAR Antibody / Steroidogenic acute regulatory protein [clone STAR/3915R] (V8972)

Catalog No.	Formulation	Size
V8972-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8972-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8972SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

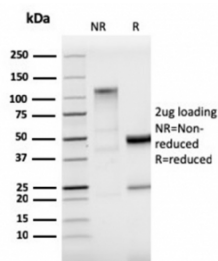
Recombinant **RABBIT MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	STAR/3915R
Purity	Protein A/G affinity
UniProt	P49675
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant StAR antibody is available for research use only.



IHC staining of FFPE human testicular carcinoma tissue with recombinant StAR antibody (clone STAR/3915R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant StAR antibody (STAR/3915R) as confirmation of integrity and purity.

## Description

Steroidogenic Acute Regulatory Protein (STAR) controls the rate-limiting step of steroidogenesis by translocating cholesterol from the outer mitochondrial membrane to the inner membrane where it is later cleaved to pregnenolone. It 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. Due to low levels of pregnenolone, seminomas and Leydig cell tumors display no specific STAR staining. Therefore, STAR antibody may assist in differentiating sex cord stromal tumors (SCST), seminomas and embryonal carcinomas.

## Application Notes

Optimal dilution of the recombinant StAR antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 39-108 was used as the immunogen for the recombinant StAR antibody.

## Storage

Aliquot the recombinant StAR antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.