

## Anti-StAR Antibody [STAR/2154] (A250060)

### Specifications:

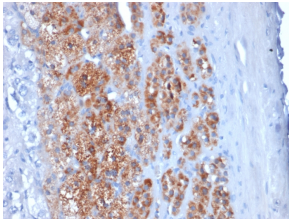
Name:	Anti-StAR Antibody [STAR/2154]
Description:	Mouse monoclonal [STAR/2154] antibody to StAR.
Specificity:	Steroidogenic Acute Regulatory Protein (STAR) controls the rate-limiting step of steroidogenesis by translocating cholesterol from the outer mitochondrial membrane to the inner membrane where 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.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 39-108, of human STAR protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	STAR/2154
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-StAR Antibody [STAR/2154] - BSA and Azide free (A253240).

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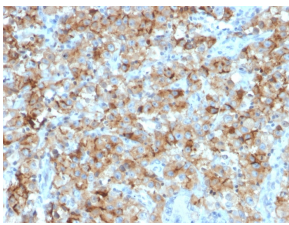
### Specifications continued:

**Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

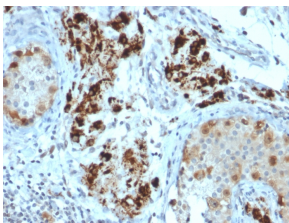
### Images:



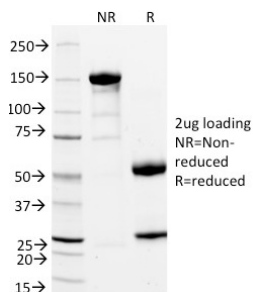
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human adrenal gland using Anti-StAR Antibody [STAR/2154].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human testicular carcinoma using Anti-StAR Antibody [STAR/2154].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human testicular carcinoma using Anti-StAR Antibody [STAR/2154].



SDS-PAGE analysis of Anti-StAR Antibody [STAR/2154] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.