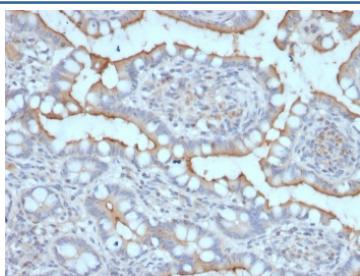


StAR Antibody / Steroidogenic acute regulatory protein [clone STAR/2077] (V8103)

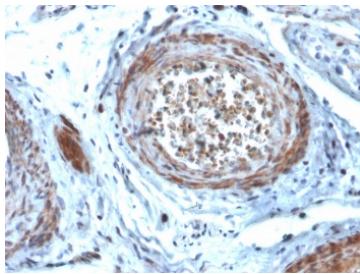
Catalog No.	Formulation	Size
V8103-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8103-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8103SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

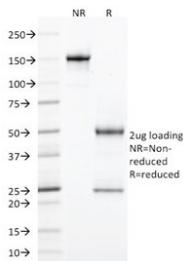
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	STAR/2077
Purity	Protein G affinity chromatography
UniProt	P49675
Localization	Cytoplasmic (mitochondria)
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This StAR antibody is available for research use only.



IHC staining of FFPE human stomach with StAR antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human testis with StAR antibody. 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 StAR antibody 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 StAR antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 39-108) was used as the immunogen for this StAR antibody.

Storage

Store the StAR antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).