



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## STAR monoclonal antibody (M01), clone 5F9

Catalog # : H00006770-M01

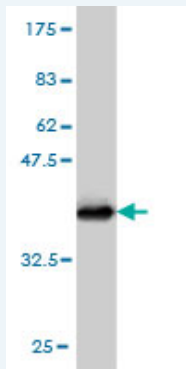
規格 : [ 100 ug ]

List All

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant STAR.
<b>Immunogen:</b>	STAR (AAH10550, 81 a.a. ~ 180 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	EAMQKALGILSNQEGWKKESQQDNGDKVMSKVVPDVGKVFRLWVVD QPMLRYEELVERMEAMGEWNPVKEIKVLQKIGKDTFITHLAAEAAGN LVG
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2a Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.63 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Publication Reference

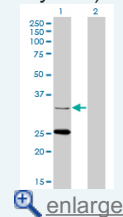
1. Tissue Culture Media Supplemented with 10% Fetal Calf Serum Contains a Castrate level of Testosterone.  
Sedelaar JP, Isaacs JT. Prostate. 2009 Dec 1;69(16):1724-9.

### Applications

Western Blot (Transfected lysate)

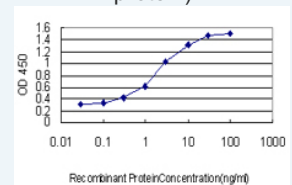
### Application Image

Western Blot (Transfected lysate)



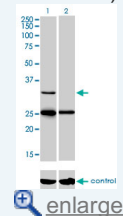
Western Blot (Recombinant protein)

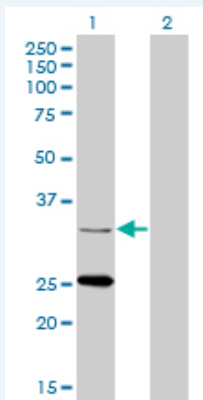
Sandwich ELISA (Recombinant protein)



ELISA

RNAi Knockdown (Antibody validated)





Western Blot analysis of STAR expression in transfected 293T cell line by STAR monoclonal antibody (M01), clone 5F9.

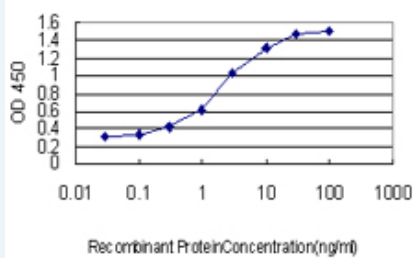
Lane 1: STAR transfected lysate(31.9 KDa).  
Lane 2: Non-transfected lysate.

[Protocol Download](#)

### Western Blot (Recombinant protein)

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### Sandwich ELISA (Recombinant protein)

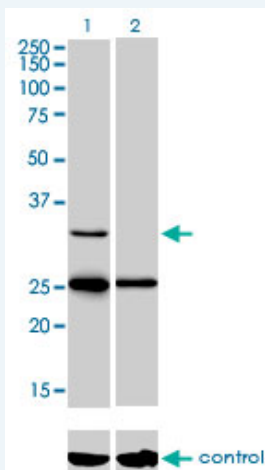


Detection limit for recombinant GST tagged STAR is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

### ELISA

#### RNAi Knockdown (Antibody validated)



Western blot analysis of STAR over-expressed 293 cell line, cotransfected with STAR Validated Chimera RNAi ( Cat # H00006770-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with STAR monoclonal antibody (M01), clone 5F9 (Cat # H00006770-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.

[Protocol Download](#)

### Gene Information

Entrez GeneID: [6770](#)

**GeneBank Accession#:** [BC010550](#)

**Protein Accession#:** [AAH10550](#)

**Gene Name:** STAR

**Gene Alias:** STARD1

**Gene Description:** steroidogenic acute regulatory protein

**Omim ID:** [201710](#), [600617](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene plays a key role in the acute regulation of steroid hormone synthesis by enhancing the conversion of cholesterol into pregnenolone. This protein permits the cleavage of cholesterol into pregnenolone by mediating the transport of cholesterol from the outer mitochondrial membrane to the inner mitochondrial membrane. Mutations in this gene are a cause of congenital lipoid adrenal hyperplasia (CLAH), also called lipoid CAH. A pseudogene of this gene is located on chromosome 13. [provided by RefSeq]

**Other Designations:** START domain containing 1, STAR-related lipid transfer (START) domain containing 1, cholesterol trafficker, mitochondrial steroid acute regulatory protein, steroid acute regulatory protein, steroidogenic acute regulator

#### **Related Disease**

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