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STAR Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant STAR.
Catalog # AT4059a

Specification

STAR Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	P49675
Other Accession	BC010550
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**31914**

STAR Antibody (monoclonal) (M01) - Additional Information

Gene ID 6770

Other Names
Steroidogenic acute regulatory protein, mitochondrial, StAR, START domain-containing protein 1, StARD1, STAR, STARD1

Target/Specificity
STAR (AAH10550, 81 a.a. ~ 180 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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

Precautions
STAR Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

STAR Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

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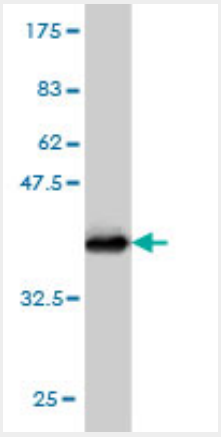
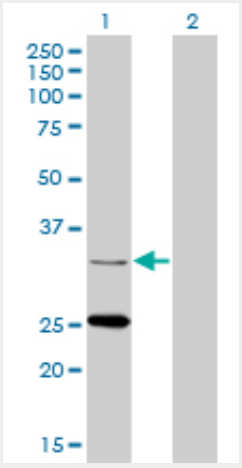
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

STAR Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



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.

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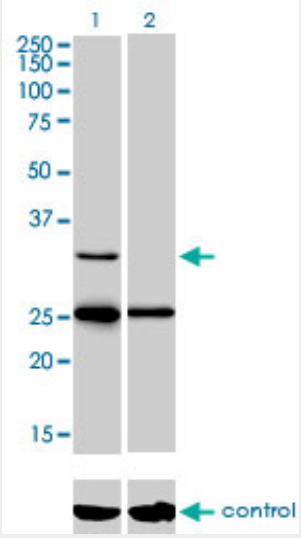
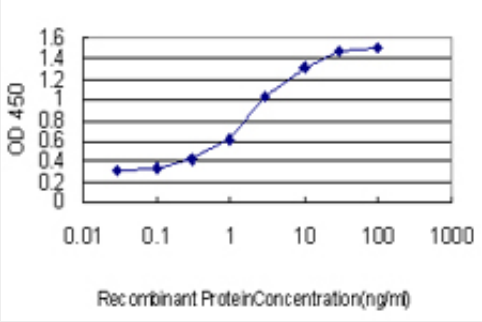


Western blot analysis of STAR over-expressed 293 cell line, cotransfected with STAR Validated Chimera RNAi ((Cat # AT4059a)



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

STAR Antibody (monoclonal) (M01) - Background

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.

STAR Antibody (monoclonal) (M01) - References

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.