

Datasheet for ABIN2856168

**anti-STAR antibody**

## 4 Images

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## Overview

Quantity:	100 µL
Target:	STAR
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAR antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human StAR. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to StAR (steroidogenic acute regulatory protein) StAR antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	STAR
Alternative Name:	steroidogenic acute regulatory protein ( <a href="#">STAR Products</a> )

## Target Details

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.  Cellular Localization: Mitochondrion
Molecular Weight:	32 kDa
Gene ID:	6770
UniProt:	<a href="#">P49675</a>
Pathways:	<a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">C21-Steroid Hormone Metabolic Process</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Carbohydrate Homeostasis</a>

## Application Details

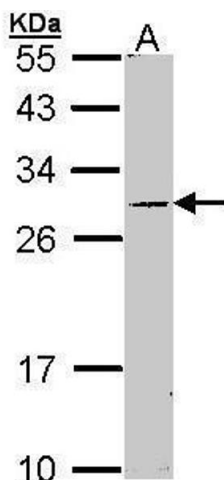
Application Notes:	WB: 1:100-1:10000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: STAR-transfected 293T Validation: Orthogonal, Overexpression
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.2 mg/mL
Buffer:	1XPBS pH 7, 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

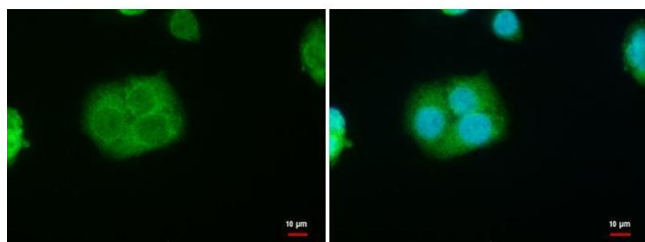
(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Images



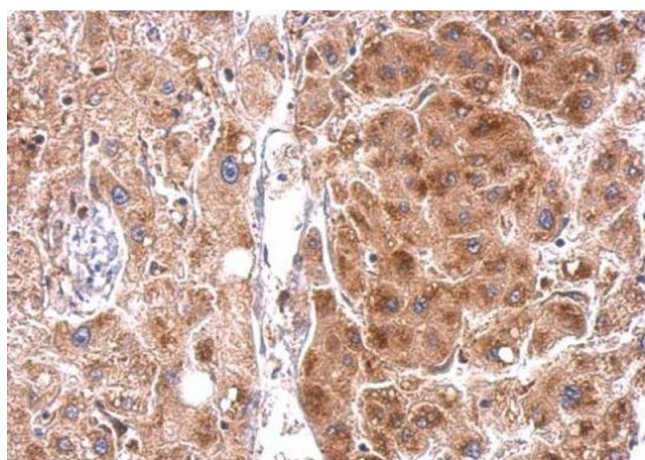
### Western Blotting

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A: Molt-4 , 12% SDS PAGE antibody diluted at 1:1000



### Immunofluorescence

**Image 2.** ICC/IF Image StAR antibody detects StAR protein at mitochondria by immunofluorescent analysis. Sample: HepG2 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: StAR protein stained by StAR antibody , diluted at 1:500. Blue: Hoechst 33342 staining.



### Immunohistochemistry

**Image 3.** IHC-P Image StAR antibody detects StAR protein at cytosol on human hepatoma by immunohistochemical analysis. Sample: Paraffin-embedded hepatoma. StAR antibody , dilution: 1:500.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2856168.