

StAR Rabbit pAb

Catalog No.: A16432 **21 Publications**

Basic Information

Observed MW

28kDa

Calculated MW

32kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

6770

Swiss Prot

P49675

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 64-285 of human StAR (NP_000340.2).

Synonyms

STARD1; StAR

Contact

 | 400-999-6126

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Product Information

Source

Rabbit

Isotype

IgG

Purification

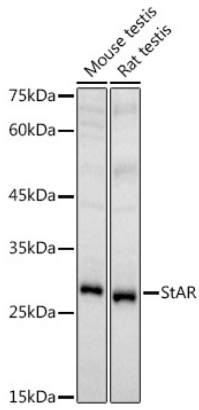
Affinity purification

Storage

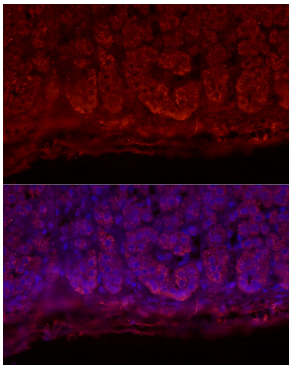
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

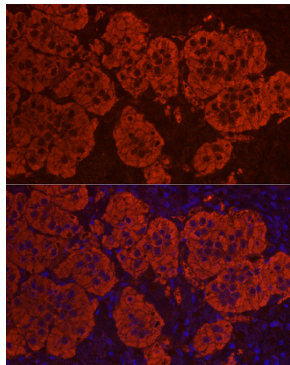
Validation Data



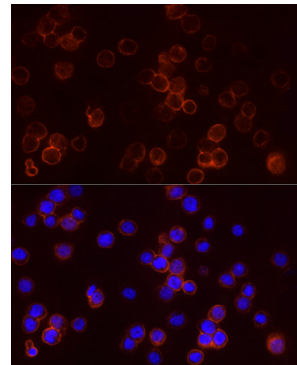
Western blot analysis of extracts of various cell lines, using StAR antibody (A16432) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.



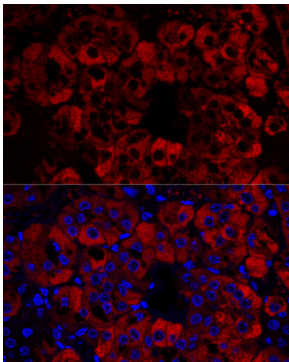
Immunofluorescence analysis of Human adrenal gland cells using StAR Rabbit pAb (A16432) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse adrenal gland cells using StAR Rabbit pAb (A16432) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of THP-1 cells using StAR Rabbit pAb (A16432) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of mouse adrenal gland using StAR Polyclonal Antibody (A16432) at dilution of 1:100. Blue: DAPI for nuclear staining.