

Anti-StAR antibody ab96637

★★★★★ [3 Abreviews](#) [21 References](#) [5 图像](#)

概述

产品名称	Anti-StAR抗体
描述	兔多克隆抗体to StAR
宿主	Rabbit
经测试应用	适用于: ICC, WB, IHC-P
种属反应性	与反应: Human 预测可用于: Cow, Dog, Pig 
免疫原	Recombinant protein fragment corresponding to a region within amino acids 15 - 238 of Human StAR (NP_000340).
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab96637于以下的经测试应用

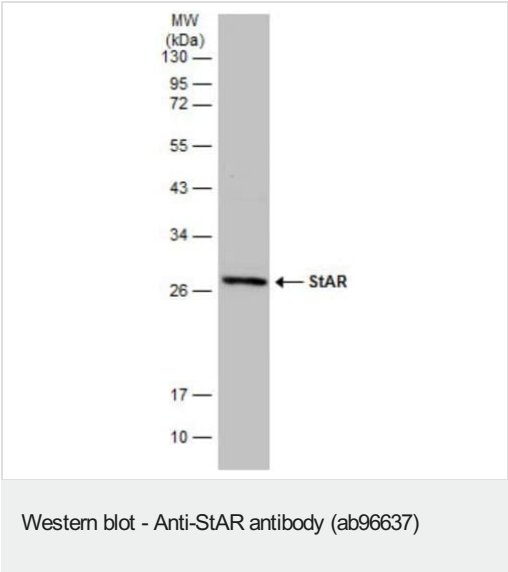
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC		Use at an assay dependent concentration.
WB	★★★★★ (3)	1/100 - 1/10000. Predicted molecular weight: 32 kDa.
IHC-P		1/100 - 1/1000.

靶标

功能	Plays a key role in steroid hormone synthesis by enhancing the metabolism of cholesterol into pregnenolone. Mediates the transfer of cholesterol from the outer mitochondrial membrane to the inner mitochondrial membrane where it is cleaved to pregnenolone.
组织特异性	Expressed in gonads, adrenal cortex and kidney.
通路	Steroid metabolism; cholesterol metabolism.
疾病相关	Defects in STAR are the cause of adrenal hyperplasia type 1 (AH1) [MIM:201710]. The most severe form of adrenal hyperplasia. It is a condition characterized by onset of profound adrenocortical insufficiency shortly after birth, hyperpigmentation reflecting increased production of pro-opiomelanocortin, elevated plasma renin activity as a consequence of reduced aldosterone synthesis, and male pseudohermaphroditism resulting from deficient fetal testicular testosterone synthesis. Affected individuals are phenotypic females irrespective of gonadal sex, and frequently die in infancy if mineralocorticoid and glucocorticoid replacement are not instituted.
序列相似性	Contains 1 START domain.
细胞定位	Mitochondrion.

图片



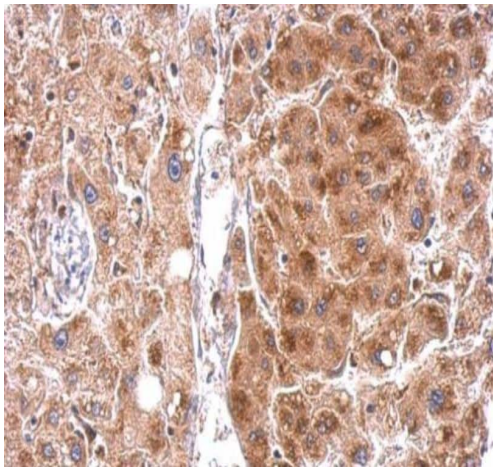
Anti-StAR antibody (ab96637) at 1/1000 dilution + K562 (human chronic myelogenous leukemia cell line from bone marrow) whole cell lysate at 30 µg

Secondary

HRP-conjugated anti-rabbit IgG antibody

Predicted band size: 32 kDa

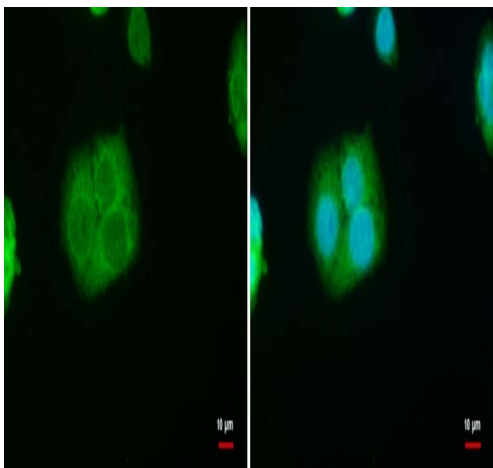
12% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-StAR antibody (ab96637)

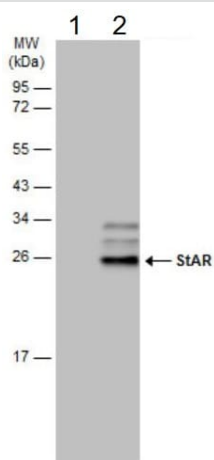
Immunohistochemical analysis of paraffin-embedded human hepatoma tissue staining StAR protein at cytosol with ab96637 at 1/500.

Antigen Retrieval: EDTA based buffer, pH 8.0, 15min.



Immunocytochemistry - Anti-StAR antibody (ab96637)

Immunofluorescence analysis of 4% paraformaldehyde-fixed HepG2 (human liver hepatocellular carcinoma cell line) whole cell lysate labeling StAR protein at mitochondria with ab96637 at 1/500 dilution. Blue: Hoechst 33342 staining.



Western blot - Anti-StAR antibody (ab96637)

All lanes : Anti-StAR antibody (ab96637) at 1/5000 dilution

Lane 1 : Non-transfected HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 2 : Transfected HEK-293T whole cell lysate

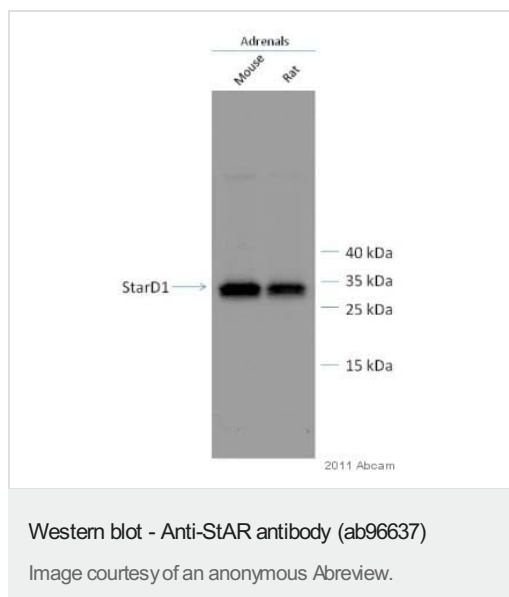
Lysates/proteins at 30 µg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit IgG antibody

Predicted band size: 32 kDa

12% SDS-PAGE



All lanes : Anti-StAR antibody (ab96637) at 1/1000 dilution

Lane 1 : Whole tissue lysate prepared from murine adrenal gland

Lane 2 : Whole tissue lysate prepared from rat adrenal gland

Lysates/proteins at 50 µg per lane.

Secondary

All lanes : HRP conjugated goat anti-rabbit polyclonal at 1/2500 dilution

Developed using the ECL technique.

Predicted band size: 32 kDa

Exposure time: 20 seconds

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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