

## Basic Information

Product Name	Anti-STAR Antibody
Gene Name	STAR
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human StAR, which shares 85% and 87.5% amino acid (aa) sequence identity with mouse and rat StAR, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	32 kDa
Dilution Ratios	Western blot (WB):1:500-2000

## Storage

12 months from date of receipt, -20°C as supplied.

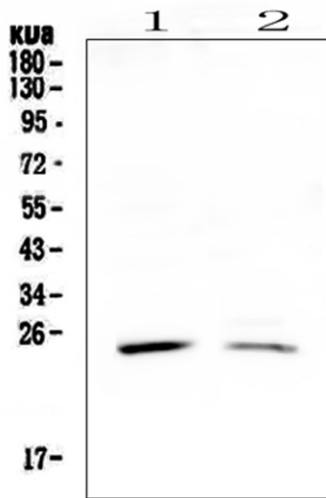
## Background Information

The steroidogenic acute regulatory protein, commonly referred to as StAR (STARD1), is a transport protein. This protein plays a key role in the acute regulation of steroid hormone synthesis by enhancing the conversion of cholesterol into pregnenolone. It 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.

## Reference

Anti-STAR Antibody被引用在3文献中。

## Selected Validation Data



Western blot analysis of STAR using anti-STAR antibody (A00051-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat testis tissue lysates,

Lane 2: mouse testis tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-STAR antigen affinity purified polyclonal antibody (A00051-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for STAR at approximately 32 kDa. The expected band size for STAR is at 32 kDa.