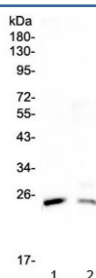


StAR Antibody / Steroidogenic acute regulatory protein (RQ4391)

Catalog No.	Formulation	Size
RQ4391	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Predicted Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P49675
Applications	Western Blot : 0.5-1ug/ml
Limitations	This StAR antibody is available for research use only.



Western blot testing of 1) rat testis and 2) mouse testis lysate with StAR antibody at 0.5ug/ml. Expected molecular weight ~37 kDa (preprotein), ~30 kDa (mature form).

Description

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 lipid adrenal hyperplasia (CLAH), also called lipid CAH. A pseudogene of this gene is located on chromosome 13.

Application Notes

Optimal dilution of the StAR antibody should be determined by the researcher.

Immunogen

Amino acids EETLYSDQELAYLQQGEEAMQKALGILSNQEGWKKESQQD from the human protein were used as the immunogen for the StAR antibody.

Storage

After reconstitution, the StAR antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.