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Product datasheet for TA590564

MLN64 (STARD3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	ELISA: 1:100-1:2000; IHC: 1:10-1:2000; IHC-P 1:10-1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNA immunization. This antibody is specific for the C Terminus Region of the target protein.
Formulation:	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Concentration:	1.15mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	StAR related lipid transfer domain containing 3
Database Link:	NP_006795 Entrez Gene 10948 Human Q14849

View online »

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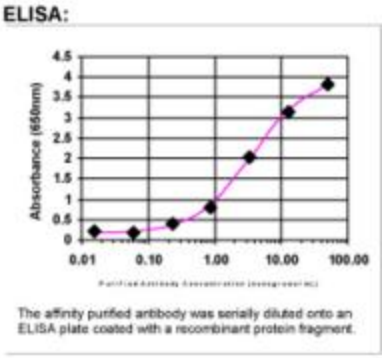
Background: The steroidogenic acute regulatory (StAR) protein facilitates the movement of cholesterol from the outer to inner mitochondrial membrane in adrenal and gonadal cells, fostering steroid biosynthesis. MLN 64 is a 445-amino acid protein of unknown function. When 218 amino-terminal residues of MLN 64 are deleted, the resulting N-218 MLN 64 has 37% amino acid identity with StAR and 50% of StAR's steroidogenic activity in transfected cells. Bacterially expressed N-218 MLN 64 exerts StAR-like activity to promote the transfer of cholesterol from the outer to inner mitochondrial membrane in vitro. The presence of a protease-resistant domain and a protease-sensitive carboxy-terminal domain in N-218 MLN 64 is similar to the organization of StAR. However, as MLN 64 never enters the mitochondria, the protease-resistant domain of MLN 64 cannot be a mitochondrial pause-transfer sequence, as has been proposed for StAR.

Synonyms: CAB1; es64; MLN64

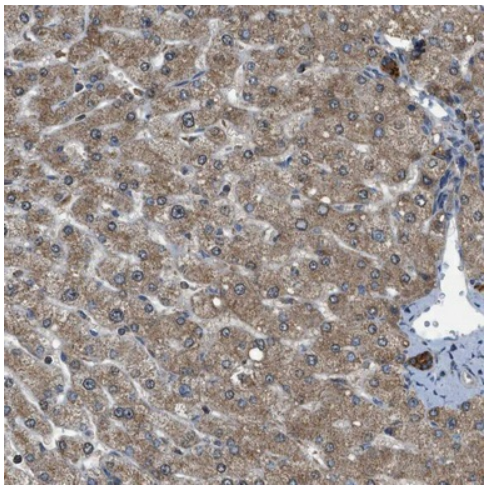
Note: This antibody was generated by SDIX's Genomic Antibody Technology ® (GAT).Learn about GAT

Protein Families: Transmembrane

Product images:



ELISA: STARD3 Antibody



Immunohistochemical staining of human liver shows cytoplasmic positivity in hepatocytes. Antibody dilution: 1:100. Image and statement courtesy of the Human Protein Atlas (HPA).

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