



STAR Polyclonal Antibody

E91035

Catalog Number: E91035

Amount: 100ul

Background: Steroidogenic acute regulatory protein (StAR) plays a significant role in cholesterol transport from the cytoplasmic outer membrane to the inner mitochondrial membrane (1). The 37 kDa precursor is cleaved to generate an active 28 kDa protein capable of facilitating cholesterol metabolism into pregnenolone (2,3). StAR is prevalently expressed in mitochondria of steroid-producing adrenal and gonadal tissue (3). Abnormalities in StAR gene expression are impacted in autosomal Lipoid Congenital Adrenal Hyperplasia (LCAH) resulting in defects in pregnenolone and cortisol synthesis (4). The mechanism of cholesterol binding to StAR has yet to be elucidated (4).

Species: Rabbit

Isotype: IgG

Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: STAR;STARD1 ;

Immunogen: Recombinant protein of human STAR

Purification: Affinity purification

Reactivity: H M R

Applications: WB IHC

Molecular Weight: 32kDa

Swiss-Prot No. : P49675

Gene ID: 6770

References: 1. Caron, K.M. et al. (1997) Proc Natl Acad Sci U S A 94, 11540-5. 2. Bose, H.S. et al. (1999) Proc Natl Acad Sci U S A 96, 7250-5. 3. Manna, P.R. et al. (2002) Biol Reprod 67, 1393-404. 4. Roostae, A. et al. (2008) Biochem J 412, 553-62.

WB 1:500 - 1:2000

IHC 1:50- 1:200

Western blot analysis of SK-BR-3 cell lysate using
STAR antibody.

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