

STAR Antibody

Catalog No: #32129

Package Size: #32129-1 50ul #32129-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

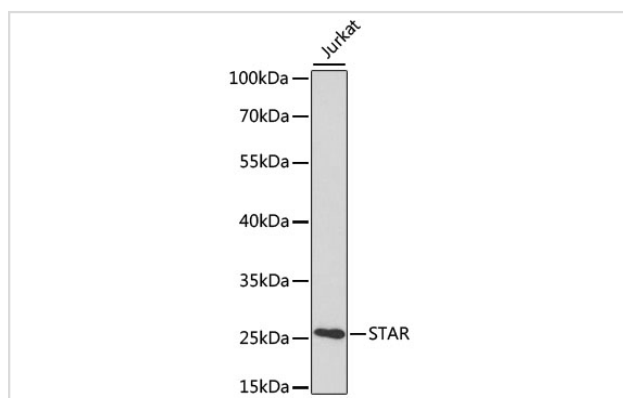
Description

Product Name	STAR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB
Species Reactivity	Human, Mouse
Specificity	The antibody detects endogenous level of total STAR protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human STAR.
Target Name	STAR
Other Names	STAR; STARD1;
Accession No.	Swiss-Prot:P49675NCBI Gene ID:6770
Uniprot	P49675
GeneID	6770;
SDS-PAGE MW	32KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB □ 1:500 - 1:2000IP □ 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using STAR at 1:1000 dilution.

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 Congenial 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).

Note: This product is for in vitro research use only