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Datasheet for ABIN3021303
anti-STAR antibody (AA 64-285)

3 Images

Overview

Quantity:	100 µL
Target:	STAR
Binding Specificity:	AA 64-285
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAR antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 64-285 of human STAR (NP_000340.2).
Sequence:	EETLYSDQEL AYLQQGEEAM QKALGILSNQ EGWKKESQQD NGDKVMSKVV PDVGKVFRLR VVVDQPMERL YEELVERMEA MGEWNPVKE IKVLQKIGKD TFITHELAAE AAGNLVGPDR FVSVRCARR GSTCVLAGMA TDFGNMPEQK GVIRAHEGPT CMVLHPLAGS PSKTKLTWLL SIDLKGWLPK SIINQVLSQT QVDFANHLRK RLESHPASEA RC
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

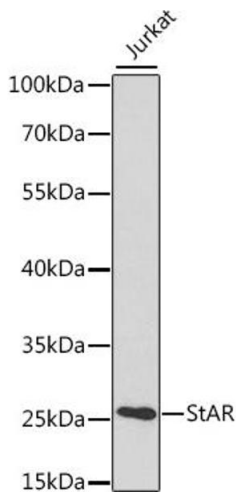
Target:	STAR
Alternative Name:	STAR (STAR Products)
Background:	The protein encoded by this gene plays a key role in the acute regulation of steroid hormone synthesis by enhancing the conversion of cholesterol into pregnenolone. This protein permits the cleavage of cholesterol into pregnenolone by mediating 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., STAR , STARD1 , STAR , Cancer , Signal Transduction , Cell Biology & Developmental Biology , Growth factor , Endocrine & Metabolism , Mitochondrial metabolism , Mitochondrial markers , Lipid Metabolism , STAR
Molecular Weight:	31 kDa
Gene ID:	6770
UniProt:	P49675
Pathways:	Metabolism of Steroid Hormones and Vitamin D , Response to Growth Hormone Stimulus , C21-Steroid Hormone Metabolic Process , Cellular Response to Molecule of Bacterial Origin , Carbohydrate Homeostasis

Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:200
Restrictions:	For Research Use only

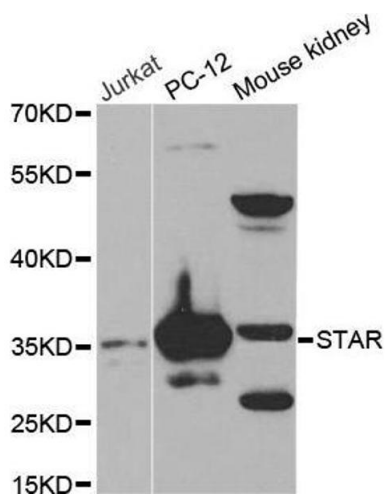
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



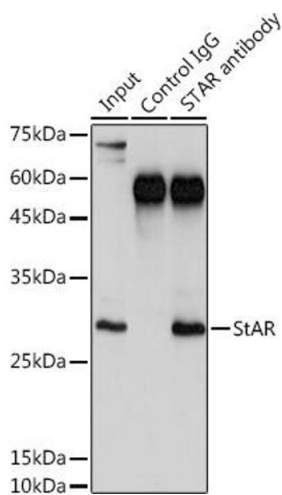
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using StAR antibody (ABIN3021302, ABIN3021303, ABIN3021304 and ABIN6214574) at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using StAR antibody.



Immunoprecipitation

Image 3. Immunoprecipitation analysis of 300 µg extracts of K-562 cells using 3 µg StAR antibody (ABIN3021302, ABIN3021303, ABIN3021304 and ABIN6214574). Western blot was performed from the immunoprecipitate using StAR antibody (ABIN3021302, ABIN3021303, ABIN3021304 and ABIN6214574) at a dilution of 1:1000.