

STAR Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 15 and 268 of STAR (Uniprot ID#P49675)
Form	Liquid
Concentration	0.2 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol, 1% BSA
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11155971

Applications	Tested Dilution	Publications
Western Blot (WB)	1:100-1:10,000	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-

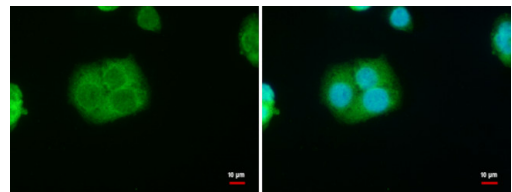
Product Specific Information

Recommended positive controls: K562, mouse kidney, STAR-transfected 293T.

Predicted reactivity: Mouse (90%), Rat (89%), Dog (93%), Cat (89%), Pig (90%), Sheep (86%), Rhesus Monkey (98%), Bovine (87%).

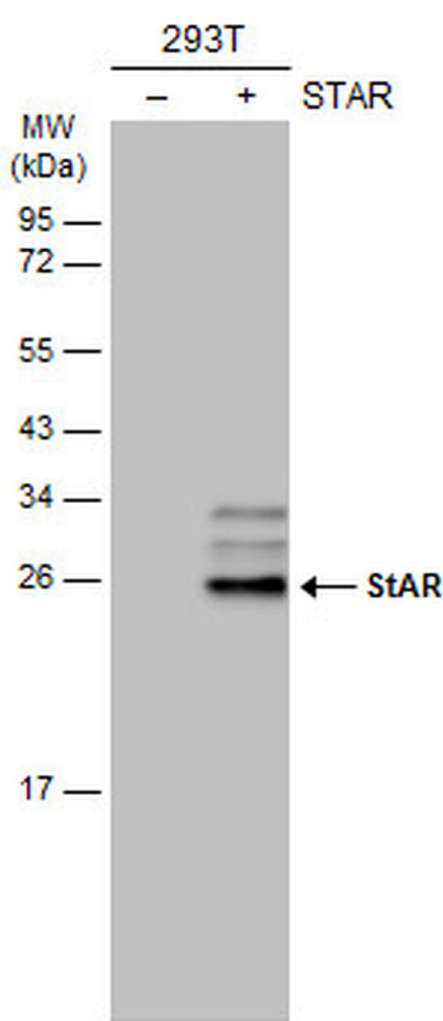
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For STAR Polyclonal Antibody



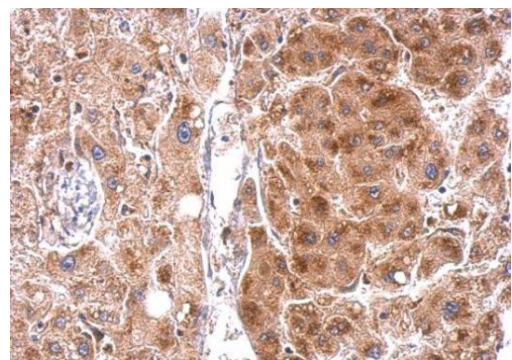
STAR Antibody (PA5-21687) in ICC/IF

STAR Polyclonal Antibody detects StAR protein at mitochondria by immunofluorescent analysis. Sample: HepG2 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: StAR protein stained by STAR Polyclonal Antibody (Product # PA5-21687) diluted at 1:500. Blue: Hoechst 33342 staining.



STAR Antibody (PA5-21687) in WB

Western Blot analysis of STAR was performed by separating 30 µg of non-transfected (-) and transfected (+) 293T whole cell extracts by 12% SDS-PAGE. Proteins were transferred to a membrane and probed with a STAR Polyclonal Antibody (Product # PA5-21687) at a dilution of 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



STAR Antibody (PA5-21687) in IHC (P)

STAR Polyclonal Antibody detects StAR protein at cytosol on human hepatoma by immunohistochemical analysis. Sample: Paraffin-embedded hepatoma. STAR Polyclonal Antibody (Product # PA5-21687) dilution: 1:500. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (2)

<p>Oncology reports</p> <p>Silencing of the transcriptional factor ZEB1 alters the steroidogenic pathway, and increases the concentration of testosterone and DHT in DU145 cells.</p> <p>"PA5-21687 was used in Western Blotting to determine the mRNA and protein expression levels, and cellular localization of steroidogenic pathway enzymes in the DU145 cell line in response to ZEB1 silencing."</p> <p>Authors: Herrera D,Orellana-Serradell O,Villar P,Torres MJ,Paciucci R,Castellón EA,Contreras HR</p>	<p>Year 2019</p> <p>Species Human</p> <p>Dilution 1:20</p>
<p>Lipids in health and disease</p> <p>Menaquinone-4 enhances testosterone production in rats and testis-derived tumor cells.</p> <p>"PA5-21687 was used in western blot to investigate the effect of menaquinone-4 on testosterone production in vitro and in vivo"</p> <p>Authors: Ito A,Shirakawa H,Takumi N,Minegishi Y,Ohashi A,Howlader ZH,Ohsaki Y,Sato T,Goto T,Komai M</p>	<p>Year 2011</p> <p>Species Mouse</p>

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