

Rabbit anti-Human, Mouse STAR Polyclonal Antibody | anti-STAR antibody

STAR Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36953	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

STAR; Polyclonal Antibody; STAR Polyclonal Antibody; STARD1; anti-STAR antibody

PRODUCT SPECIFICATIONS

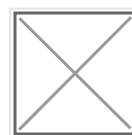
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	285
Applicable Applications for anti-STAR antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human STAR
Calculated Molecular Weight	32kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using STAR antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using STAR antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit.

ADDITIONAL INFORMATION

Related Product Information for anti-STAR antibody	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).
Product Categories/Family for anti-STAR antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	71152974
NCBI GeneID	6770
UniProt Accession #	P49675; Q16396
Molecular Weight	285
NCBI Official Full Name	Steroidogenic acute regulatory protein, mitochondrial
NCBI Official Synonym Full Names	steroidogenic acute regulatory protein
NCBI Official Symbol	STAR
NCBI Official Synonym Symbols	STARD1
NCBI Protein Information	steroidogenic acute regulatory protein, mitochondrial; cholesterol trafficker; START domain containing 1; steroid acute regulatory protein; START domain-containing protein 1; mitochondrial steroid acute regulatory protein; STAR-related lipid transfer (START) domain containing 1
UniProt Protein Name	Steroidogenic acute regulatory protein, mitochondrial
UniProt Gene Name	STAR
UniProt Synonym Gene Names	STARD1; StAR; StARD1
UniProt Entry Name	STAR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/star-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/36953>