

Datasheet for ABIN954972
anti-STARD4 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	STARD4
Binding Specificity:	AA 15-45, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STARD4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 15-45 amino acids from the N-terminal region of Human STARD4.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human STARD4 (N-term).
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	STARD4
Alternative Name:	STARD4 (STARD4 Products)

Target Details

Background: Cholesterol homeostasis is regulated, at least in part, by sterol regulatory element (SRE)-binding proteins (e.g., SREBP1, MIM 184756) and by liver X receptors (e.g., LXRA, MIM 602423). Upon sterol depletion, LXRs are inactive and SREBPs are cleaved, after which they bind promoter SREs and activate genes involved in cholesterol biosynthesis and uptake. Sterol transport is mediated by vesicles or by soluble protein carriers, such as steroidogenic acute regulatory protein (STAR, MIM 600617). STAR is homologous to a family of proteins containing a 200- to 210-amino acid STAR-related lipid transfer (START) domain, including STARD4 (Soccio et al., 2002 [PubMed 12011452]). Synonyms: START domain-containing protein 4, StAR-related lipid transfer protein 4

Molecular Weight: 23517 Da

Gene ID: 134429

NCBI Accession: [NP_631903](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS, 0.09 % Sodium Azide

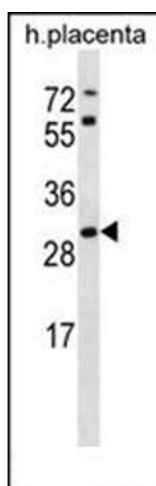
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

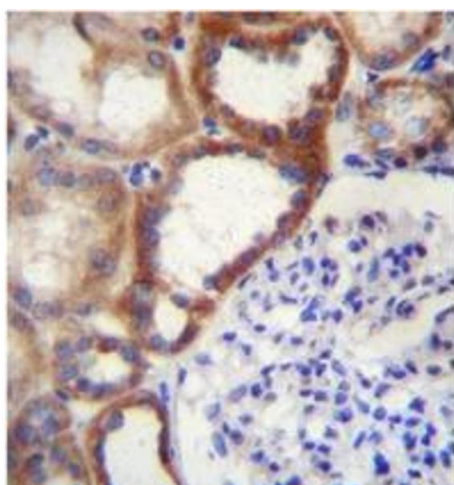
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis in human placenta tissue lysates (35ug/lane) using STARD4 Antibody (N-term) Cat.-No AP54067PU-N. This demonstrates the STARD4 antibody detected the STARD4 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin fixed and paraffin embedded human kidney tissue stained with STARD4 Antibody (N-term) Cat.-No AP54067PU-Nf followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of STARD4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.