

Datasheet for ABIN954973
anti-STARD5 antibody (N-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	STARD5
Binding Specificity:	AA 33-63, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STARD5 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 33-63 amino acids from the N-terminal region of human STARD5
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human STARD5 (N-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	STARD5
Alternative Name:	STARD5 (STARD5 Products)

Target Details

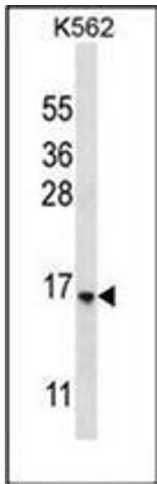
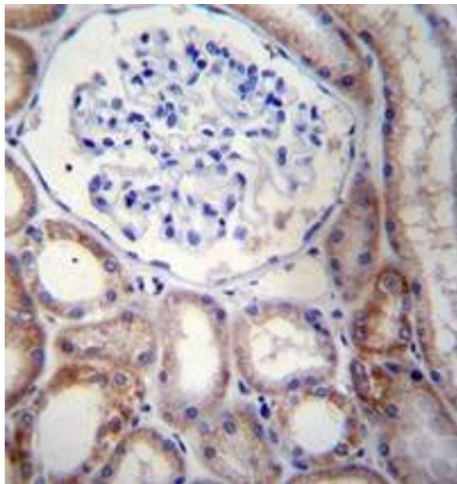
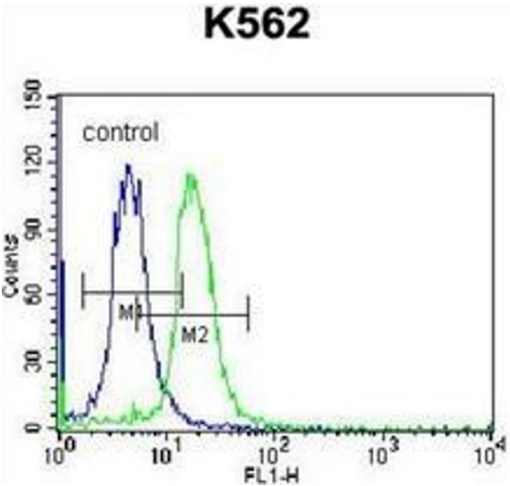
Background:	Cholesterol homeostasis is regulated, at least in part, by sterol regulatory element (SRE)-binding proteins (e.g., SREBP1, MIM 184756) and by liver X receptors (e.g., LXRA, MIM 602423). Upon sterol depletion, LXRs are inactive and SREBPs are cleaved, after which they bind promoter SREs and 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 STARD5 (Soccio et al., 2002 [PubMed 12011452]).Synonyms: START domain-containing protein 5, StAR-related lipid transfer protein 5
Molecular Weight:	23794 Da
Gene ID:	80765
NCBI Accession:	NP_871629
Pathways:	Metabolism of Steroid Hormones and Vitamin D , C21-Steroid Hormone Metabolic Process

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 containing 0.09 % (W/V) Sodium Azide as preservative
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.



Flow Cytometry

Image 1. Flow cytometric analysis of K562 cells using STARD5 Antibody (N-term) Cat.-No AP54068PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue reacted with STARD5 Antibody (N-term) followed which was peroxidase conjugated to the secondary antibody and followed by AB staining. This data demonstrates the use of STARD5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 3. Western blot analysis of STARD5 Antibody (N-term) in K562 cell line lysates (35ug/lane). This demonstrates the STARD5 antibody detected the STARD5 protein (arrow)