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STARD5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12823a

Specification

STARD5 Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q9NSY2
Other Accession	NP_871629.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**23794**
Antigen Region	**26-55**

STARD5 Antibody (N-term) - Additional Information

Gene ID 80765

Other Names
StAR-related lipid transfer protein 5, START domain-containing protein 5, StARD5, STARD5

Target/Specificity
This STARD5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-55 amino acids from the N-terminal region of human STARD5.

Dilution
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
STARD5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

STARD5 Antibody (N-term) - Protein Information

Name STARD5

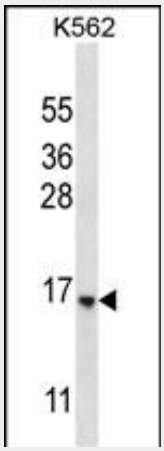
Function May be involved in the intracellular transport of sterols or other lipids. May bind cholesterol or other sterols (By similarity).

STARD5 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

STARD5 Antibody (N-term) - Images



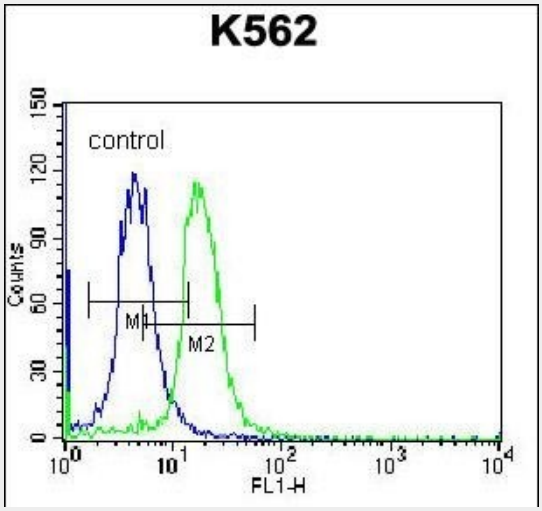
STARD5 Antibody (N-term) (Cat. #AP12823a) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the STARD5 antibody detected the STARD5 protein (arrow).



STARD5 Antibody (N-term) (Cat. #AP12823a)immunohistochemistry analysis in formalin fixed and

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paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of STARD5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



STARD5 Antibody (N-term) (Cat. #AP12823a) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

STARD5 Antibody (N-term) - 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]).

STARD5 Antibody (N-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Chen, Y.C., et al. Am. J. Physiol. Renal Physiol. 297 (2), F380-F388 (2009) :
Rodriguez-Agudo, D., et al. J. Lipid Res. 47(6):1168-1175(2006)