

STARD5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12823a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9NSY2
Other Accession	NP_871629.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32496
Calculated MW	23794
Antigen Region	26-55

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~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
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.

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).

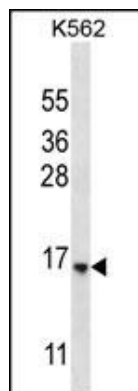
Background

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]).

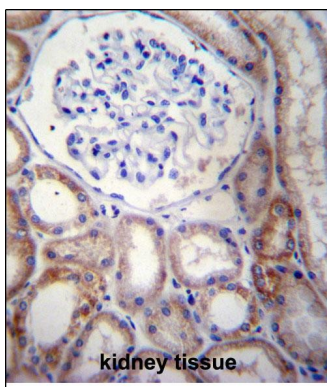
References

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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)

Images

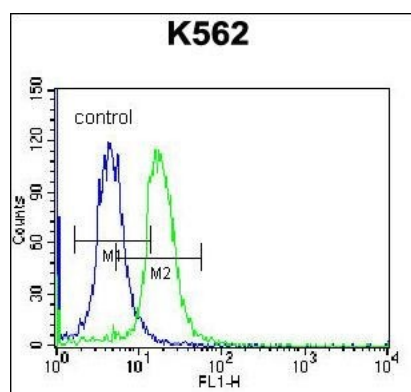


STARD5 Antibody (N-term) (Cat. #AP12823a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the STARD5 antibody detected the STARD5 protein (arrow).



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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.