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STARD4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12801a

Specification

STARD4 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q96DR4
Other Accession	NP_631903.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**23517**
Antigen Region	**8-37**

STARD4 Antibody (N-term) - Additional Information

Gene ID 134429

Other Names
StAR-related lipid transfer protein 4, START domain-containing protein 4, StARD4, STARD4

Target/Specificity
This STARD4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-37 amino acids from the N-terminal region of human STARD4.

Dilution
WB~~1:1000
IHC-P~~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
STARD4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

STARD4 Antibody (N-term) - Protein Information

Name STARD4

Function Involved in the intracellular transport of cholesterol. Binds cholesterol or other sterols.

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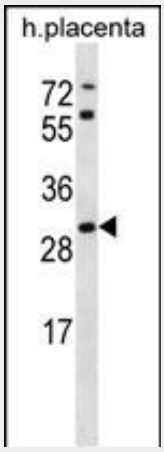
STARD4 Antibody (N-term) - Protocols

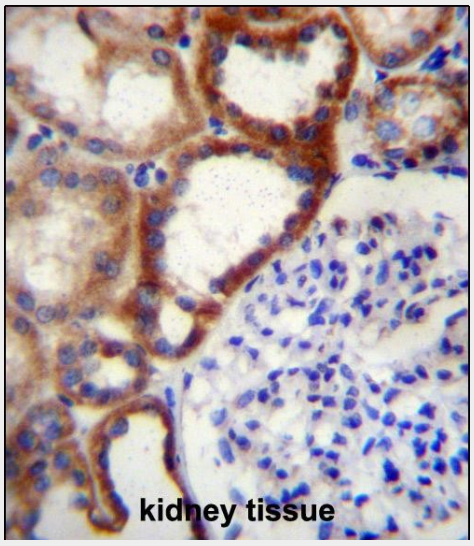
Provided below are standard protocols that you may find useful for product applications.

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

STARD4 Antibody (N-term) - Images



STARD4 Antibody (N-term) (Cat. #AP12801a) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the STARD4 antibody detected the STARD4 protein (arrow).



STARD4 Antibody (N-term) (Cat. #AP12801a)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 STARD4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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STARD4 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 STARD4 (Soccio et al., 2002 [PubMed 12011452]).

STARD4 Antibody (N-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Korytowski, W., et al. Biochem. Biophys. Res. Commun. 392(1):58-62(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Rodriguez-Agudo, D., et al. J. Lipid Res. 49(7):1409-1419(2008)