

STARD4 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12801a**Specification**

STARD4 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q96DR4](#)**STARD4 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 134429**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

STARD4 Antibody (N-term) Blocking peptide - Protein Information**Name** STARD4**Function**

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

STARD4 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

STARD4 Antibody (N-term) Blocking peptide - Images**STARD4 Antibody (N-term) Blocking peptide - Background**

Cholesterol homeostasis is regulated, at least in part, by sterol regulatory element (SRE)-binding proteins (e.g., SREBP1; MIM184756) 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) Blocking peptide - 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)