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# Product datasheet for TA810512S

## STARD4 Mouse Monoclonal Antibody [Clone ID: OTI4G9]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | OTI4G9 |
| **Applications:** | WB |
| **Recommended Dilution:** | WB 1:2000 |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Mouse |
| **Isotype:** | IgG2b |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Full length human recombinant protein of human STARD4 (NP_631903) produced in E.coli. |
| **Formulation:** | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration:** | 1 mg/ml |
| **Purification:** | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 23.3 kDa |
| **Gene Name:** | StAR related lipid transfer domain containing 4 |
| **Database Link:** | NP_631903<br>Entrez Gene 170459 MouseEntrez Gene 291699 RatEntrez Gene 134429 Human Q96DR4 |

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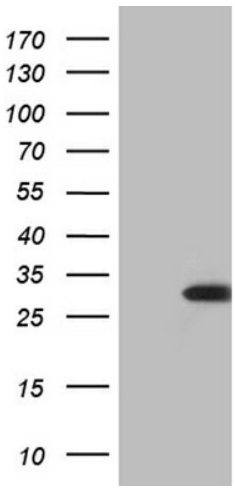
**Background:** Cholesterol homeostasis is regulated, at least in part, by sterol regulatory element (SRE)-binding proteins (e.g., SREBP1; MIM 184756) and by liver X receptors (e.g., LXRA; MIM 602423). Upon sterol depletion, LXRs are inactive and SREBPs are cleaved, after which they bind promoter SREs 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]). [supplied by OMIM, Mar 2008]. ##Evidence-Data-START## Transcript exon combination :: AK054566.1, AK290312.1 [ECO:0000332] RNAseq introns :: mixed/partial sample support ERS025081, ERS025082 [ECO:0000350] ##Evidence-Data-END##

**Synonyms:** 4632419C16Rik; 9030213J02Rik; AA517649; AW324468; StAR-related lipid transfer (START) domain containing 4; StAR-related lipid transfer protein 4

## Product images:




HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY STARD4 (Cat# [RC223123], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-STARD4 (Cat# [TA810512])(1:2000). Positive lysates [LY408367] (100ug) and [LC408367] (20ug) can be purchased separately from OriGene.