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STARD4 Recombinant Rabbit mAb

Catalog # AP100090

Product Information

Application	WB
Primary Accession	Q96DR4
Other Accession	Q96DR4
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	23517
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Background Descriptions	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]

Additional Information

Gene ID	134429
Other Names	StAR related lipid transfer domain containing 4; START domain containing 4, sterol regulated; StAR-related lipid transfer protein 4; START domain-containing protein 4; StARD4
Dilution	WB=1:500-2000,ICC/IF=1:50-200
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	STARD4 (HGNC:18058)
Function	Involved in the intracellular transport of cholesterol. Binds cholesterol or other sterols.

Cellular Location	Cytoplasm. Endoplasmic reticulum
Tissue Location	Expressed by macrophages and Kupffer cells.

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