

STARD4 Antibody

Catalog No: #43912



Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

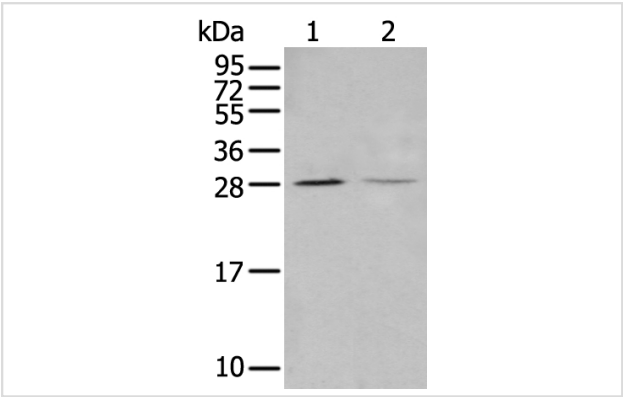
Product Name	STARD4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total STARD4 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human STARD4
Target Name	STARD4
Accession No.	Swiss-Prot#: Q96DR4NCBI Gene ID: 134429
Uniprot	Q96DR4
GeneID	134429;
Calculated MW	24kd
Concentration	0.8mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

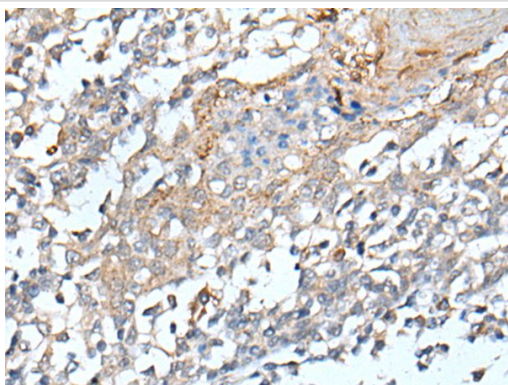
Western blotting: 1:200-1000

Immunohistochemistry: 1: 20-100

Images



Gel: 12%SDS-PAGE
Lysate: 40 µg, Lane 1-2: Human fetal liver tissueB&B-Mouse liver tissue lysates,
Primary antibody:STARD4 antibody at dilution 1/350 dilution,
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,
Exposure time: 20 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using STARD4 Antibody at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)

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]).

Note: This product is for in vitro research use only