

STARD13 Antibody(Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19692c

Specification

STARD13 Antibody(Center) - Product Information

Application	WB,E
Primary Accession	O9Y3M8
Other Accession	NP_443083.1 , NP_821074.1 , NP_821075.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	124967
Antigen Region	544-573

STARD13 Antibody(Center) - Additional Information

Gene ID 90627

Other Names

StAR-related lipid transfer protein 13, 46H232, Deleted in liver cancer 2 protein, DLC-2, Rho GTPase-activating protein, START domain-containing protein 13, StARD13, STARD13, DLC2, GT650

Target/Specificity

This STARD13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 544-573 amino acids from the Central region of human STARD13.

Dilution

WB~~1:1000

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

STARD13 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

STARD13 Antibody(Center) - Protein Information

Name STARD13

Synonyms DLC2, GT650

Function GTPase-activating protein for RhoA, and perhaps for Cdc42. May be involved in regulation of cytoskeletal reorganization, cell proliferation and cell motility. Acts a tumor suppressor in hepatocellular carcinoma cells.

Cellular Location

Cytoplasm. Membrane; Peripheral membrane protein; Cytoplasmic side. Mitochondrion membrane; Peripheral membrane protein; Cytoplasmic side. Lipid droplet

Tissue Location

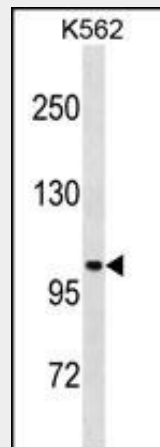
Ubiquitously expressed. Underexpressed in hepatocellular carcinoma cells and some breast cancer cell lines

STARD13 Antibody(Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

STARD13 Antibody(Center) - Images



STARD13 Antibody (Center) (Cat. #AP19692c) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the STARD13 antibody detected the STARD13 protein (arrow).

STARD13 Antibody(Center) - Background

This gene encodes a protein that contains a sterile alpha motif domain in the N-terminus, an ATP/GTP-binding motif, a GTPase-activating protein domain, and a STAR-related lipid transfer domain in the C-terminus. The gene is located in a region of chromosome 13 that has loss of heterozygosity in hepatic cancer. At least three alternatively spliced transcript variants have been described for this gene.

STARD13 Antibody(Center) - 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) :
Yasuno, K., et al. Nat. Genet. 42(5):420-425(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Xiaorong, L., et al. BMC Cancer 8, 205 (2008) :

STARD13 Antibody(Center) - Citations

- [Tanshinone IIA attenuates the stemness of breast cancer cells via targeting the miR-125b/STARD13 axis.](#)
- [Tanshinone IIA-mediated inhibition on miR-125b/STARD13 axis attenuates the stemness and enhances adriamycin sensitivity of breast cancer cells.](#)
- [RNA binding protein RNPC1 inhibits breast cancer cells metastasis via activating STARD13-correlated ceRNA network.](#)
- [Displacement of Bax by BMF Mediates STARD13 3'UTR-Induced Breast Cancer Cells Apoptosis in an miRNA-Dependent Manner.](#)
- [The CCR2 3'UTR functions as a competing endogenous RNA to inhibit breast cancer metastasis.](#)
- [The competing endogenous RNA network of CYP4Z1 and pseudogene CYP4Z2P exerts an anti-apoptotic function in breast cancer.](#)
- [STARD13 promotes hepatocellular carcinoma apoptosis by acting as a ceRNA for Fas.](#)