

**StARD13 Polyclonal Antibody**

<b>Catalog No :</b>	YT4438
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	StARD13
<b>Gene Name :</b>	STARD13
<b>Protein Name :</b>	StAR-related lipid transfer protein 13
<b>Human Gene Id :</b>	90627
<b>Human Swiss Prot No :</b>	Q9Y3M8
<b>Mouse Gene Id :</b>	243362
<b>Mouse Swiss Prot No :</b>	Q923Q2
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human STA13. AA range:101-150
<b>Specificity :</b>	StARD13 Polyclonal Antibody detects endogenous levels of StARD13 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 125kD

### Background :

This gene encodes a protein which contains an N-terminal sterile alpha motif (SAM) for protein-protein interactions, followed by an ATP/GTP-binding motif, a GTPase-activating protein (GAP) domain, and a C-terminal STAR-related lipid transfer (START) domain. It may be involved in regulation of cytoskeletal reorganization, cell proliferation, and cell motility, and acts as a tumor suppressor in hepatoma cells. The gene is located in a region of chromosome 13 that is associated with loss of heterozygosity in hepatocellular carcinomas. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011],

### Function :

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.,similarity:Contains 1 Rho-GAP domain.,similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 1 START domain.,subunit:Homodimer. Interacts with TAX1BP1.,tissue specificity:Ubiquitously expressed. Underexpressed in hepatocellular carcinoma cells and some breast cancer cell lines.,

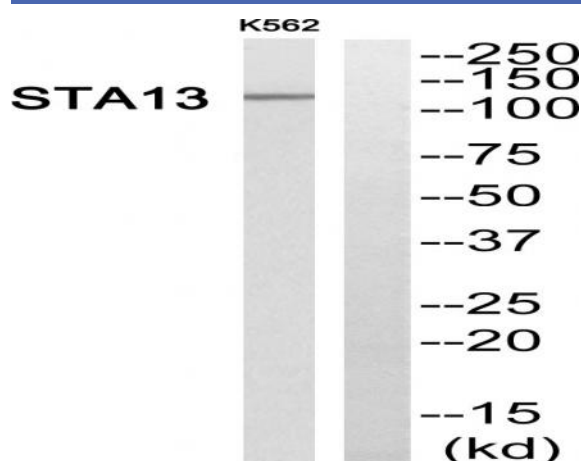
### Subcellular Location :

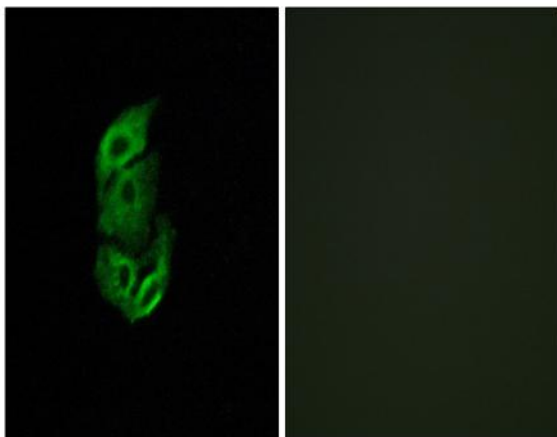
Cytoplasm. Membrane; Peripheral membrane protein; Cytoplasmic side. Mitochondrion membrane; Peripheral membrane protein; Cytoplasmic side. Lipid droplet.

### Expression :

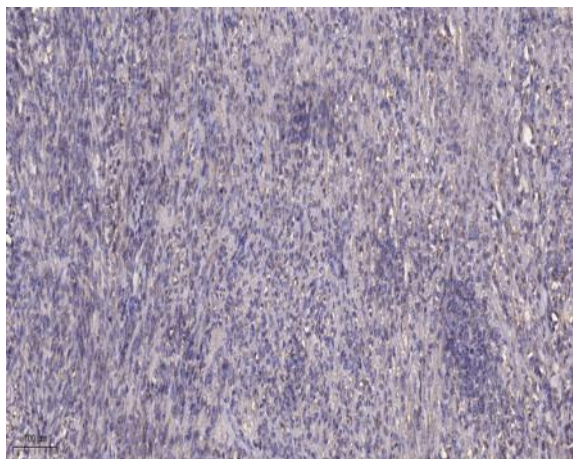
Ubiquitously expressed. Underexpressed in hepatocellular carcinoma cells and some breast cancer cell lines.

## Products Images





Immunofluorescence analysis of A549 cells, using STA13 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).