

For Research Use Only

# STARD10 Monoclonal antibody

Catalog Number: 68554-1-Ig



## Basic Information

### Catalog Number:

68554-1-Ig

### Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG10932

### GenBank Accession Number:

BC007919

### GeneID (NCBI):

10809

### UNIPROT ID:

Q9Y365

### Full Name:

StAR-related lipid transfer (START) domain containing 10

### Calculated MW:

291 aa, 33 kDa

### Observed MW:

35-40 kDa

### Purification Method:

Protein G purification

### CloneNo.:

1B9A1

### Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:400-1:1600

## Applications

### Tested Applications:

WB, IF/ICC, IP, ELISA

### Species Specificity:

human, mouse, rat, pig, rabbit

### Positive Controls:

WB : SK-BR-3 cells, MCF-7 cells, T-47D cells, LNCaP cells, rat liver tissue, mouse liver tissue, pig liver tissue, rabbit liver tissue, rabbit testis tissue

IP : HepG2 cells,

IF/ICC : HeLa cells,

## Background Information

STARD10 (START domain-containing protein 10, also known as PCTP-like protein) is highly expressed in liver and responsible to transfer phosphatidylcholine. STARD10 was identified as a protein overexpressed in breast cancer that cooperates with the ErbB family of receptor tyrosine kinases in cellular transformation (PMID: 15911624). This antibody detected duplicate bands between 35-40 kDa (PMID: 15150109).

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

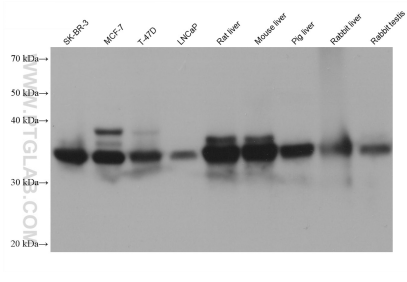
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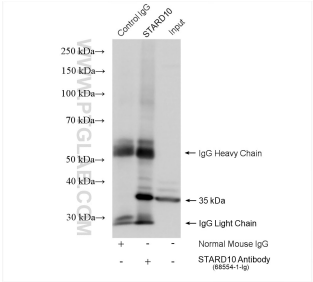
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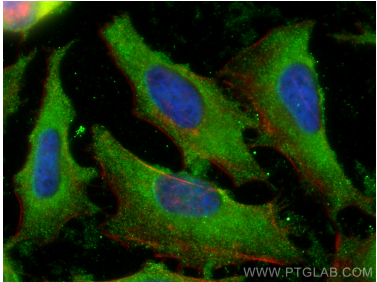
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68554-1-Ig (STARD10 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP result of anti-STARD10 (IP:68554-1-Ig, 4ug; Detection:68554-1-Ig 1:6000) with HepG2 cells lysate 1480 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using STARD10 antibody (68554-1-Ig, Clone: 1B9A1 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).