

For Research Use Only

# SEC14L2 Polyclonal antibody, PBS Only

Catalog Number:32593-1-PBS



## Basic Information

<b>Catalog Number:</b> 32593-1-PBS	<b>GenBank Accession Number:</b> BC058915	<b>Purification Method:</b> Antigen affinity Purification
<b>Concentration:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 23541	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O76054	
<b>Isotype:</b> IgG	<b>Full Name:</b> SEC14-like 2 (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG35592	<b>Calculated MW:</b> 46 kDa	
	<b>Observed MW:</b> 44 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

SEC14L2 (SEC14-like lipid-binding protein 2) is a cytoplasmic protein that belongs to the lipid-binding protein family. It plays an important role in a variety of cellular processes, including endosome division and lipid metabolism. SEC14L2 is able to bind phosphatidylinositol (PtdIns) and regulate its intracellular distribution, which is essential for normal endosome division. It has been shown that SEC14L2 regulates the endosome division process by promoting the conversion of PtdIns4P to PtdIns3P. In addition, SEC14L2 plays a role in the cholesterol biosynthesis pathway by stimulating squalene monooxygenase activity. In terms of viral infection, SEC14L2 is essential for hepatitis C virus (HCV) replication, and its expression promotes HCV replication in cells.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

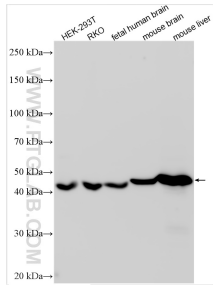
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32593-1-AP (SEC14L2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32593-1-PBS in a different storage buffer formulation.