

For Research Use Only

# OIT3 Polyclonal antibody, PBS Only

Catalog Number: 32301-1-PBS



## Basic Information

<b>Catalog Number:</b> 32301-1-PBS	<b>GenBank Accession Number:</b> NM_152635.2	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 170392	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8WWZ8	
<b>Isotype:</b> IgG	<b>Full Name:</b> oncoprotein induced transcript 3	
<b>Immunogen Catalog Number:</b> AG36932	<b>Calculated MW:</b> 60 kDa 545aa	
	<b>Observed MW:</b> 70 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Oncoprotein-induced transcript 3 protein (OIT3) is a liver-specific protein. It is involved in various biological processes, including lipid metabolism and ferroptosis regulation. OIT3 has been shown to mediate macrophage polarization and facilitate hepatocellular carcinoma (HCC) progression by regulating the arachidonic acid metabolism and reactive oxygen species (ROS) accumulation (PMID: 35353239). Additionally, OIT3 is implicated in the regulation of lipid metabolism, particularly in the context of triacylglycerol and very low-density lipoproteins (VLDLs) in the liver (PMID: 36132142).

## Storage

**Storage:**  
Store at -80°C.

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

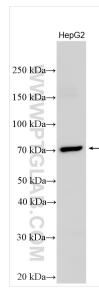
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32301-1-AP (OIT3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32301-1-PBS in a different storage buffer formulation.