

For Research Use Only

# OIT3 Polyclonal antibody

Catalog Number: 32301-1-AP



## Basic Information

Catalog Number: 32301-1-AP	GenBank Accession Number: NM_152635.2	Purification Method: Antigen affinity Purification
Concentration: 350 ug/ml	GeneID (NCBI): 170392	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q8WWZ8	
Isotype: IgG	Full Name: oncoprotein induced transcript 3	
Immunogen Catalog Number: AG36932	Calculated MW: 60 kDa, 545aa	
	Observed MW: 70 kDa	

## Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells,
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 -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

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

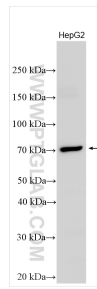
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32301-1-AP (OIT3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.