

For Research Use Only

# UBXN7 Polyclonal antibody, PBS Only

Catalog Number: 32722-1-PBS



## Basic Information

<b>Catalog Number:</b> 32722-1-PBS	<b>GenBank Accession Number:</b> NM_015562.1	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 26043	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O94888	
<b>Isotype:</b> IgG	<b>Full Name:</b> UBX domain protein 7	
<b>Immunogen Catalog Number:</b> AG38516	<b>Calculated MW:</b> 55kDa 489aa	
	<b>Observed MW:</b> 65-70 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

UBXN7(UBX domain protein 7) is a protein with ubiquitin-binding activity and ubiquitin-proteasome-binding activity. It contains four different domains, namely, the N-terminal UBA domain, the UAS domain, the Ubiquitin Interaction motif (UIM) and the C-terminal UBX domain. The level of UBXN7 will affect the metabolic state of cells. High levels of UBXN7 and HIF-1 $\alpha$  accumulation support glycolysis, while inactivation of UBXN7 and activation of NRF2 increase oxidative phosphorylation (PMID: 33444648).

## Storage

**Storage:**  
Store at -80°C.

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

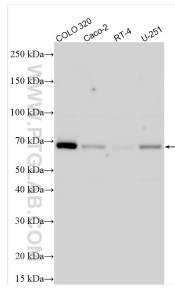
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32722-1-AP (UBXN7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32722-1-PBS in a different storage buffer formulation.