

For Research Use Only

# PEX7 Polyclonal antibody

Catalog Number: 20614-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 20614-1-AP	<b>GenBank Accession Number:</b> BC006268	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 ug/ml by Nanodrop and 453 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5191	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O00628	
<b>Isotype:</b> IgG	<b>Full Name:</b> peroxisomal biogenesis factor 7	
<b>Immunogen Catalog Number:</b> AG14666	<b>Calculated MW:</b> 323 aa, 36 kDa	
	<b>Observed MW:</b> 34 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : MDA-MB-453s cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> mouse	

## Background Information

PEX7, also known as peroxisomal targeting signal 2 (PTS2) receptor, is one member of peroxins (PEXs) which are proteins required for peroxisome assembly. PEX5 and PEX7 function as receptors that recognize PTS1- and PTS2-containing proteins, respectively. PEX7 plays an essential role in peroxisomal protein import by binding to the N-terminal PTS2-type peroxisomal targeting signal. PEX7 defects are associated with peroxisome biogenesis disorder complementation group 11 (PBD-CG11), rhizomelic chondrodysplasia punctata type 1 (RCDP1) and Refsum disease.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yizhu Mu	33606716	PLoS One	WB
Mizuno Yumi Y	23459139	PLoS Genet	WB

## Storage

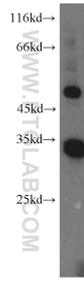
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



MDA-MB-453s cells were subjected to SDS PAGE followed by western blot with 20614-1-AP (PEX7 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.