

For Research Use Only

# PEX7 Polyclonal antibody

Catalog Number: 20614-1-AP

2 Publications



## Basic Information

Catalog Number:

20614-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 453 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14666

GenBank Accession Number:

BC006268

GeneID (NCBI):

5191

UNIPROT ID:

O00628

Full Name:

peroxisomal biogenesis factor 7

Calculated MW:

323 aa, 36 kDa

Observed MW:

34 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : MDA-MB-453s cells,

## 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

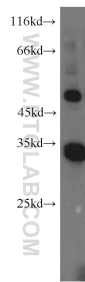
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## Selected Validation Data



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.