

For Research Use Only

# PEX12 Polyclonal antibody

Catalog Number: 27011-1-AP

1 Publications



## Basic Information

Catalog Number:

27011-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25500

GenBank Accession Number:

BC031085

GeneID (NCBI):

5193

UNIPROT ID:

O00623

Full Name:

peroxisomal biogenesis factor 12

Calculated MW:

41 kDa

Observed MW:

40-42 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : MCF-7 cells, A549 cells, HeLa cells, HepG2 cells, PC-3 cells

## Background Information

Peroxisome assembly protein 12 (PEX12), also known as Peroxisome assembly factor 3 (PAF-3), is an integral peroxisomal membrane protein that is essential for peroxisomal matrix protein import and is one of only two peroxins known to interact with the ligand-binding domain of PEX5. Mutations in human PEX12 result in Zellweger syndrome, a lethal neurological disorder, and implicate the zinc ring domain in PEX12 function (PMID: 12456682). Pex12 exhibits protein-Ub ligase activity with specificity for the E2 protein Pex4 and Ubc4 (PMID: 19687296).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jia-Teng Sun	38951640	Commun Biol	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

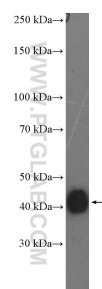
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## Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 27011-1-AP (PEX12 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.