

Peroxin 7 Polyclonal Antibody
Catalog # AP71861**Specification****Peroxin 7 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	O00628
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

Peroxin 7 Polyclonal Antibody - Additional Information

Gene ID 5191

Other Names

PEX7; PTS2R; Peroxisomal targeting signal 2 receptor; PTS2 receptor; Peroxin-7

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Peroxin 7 Polyclonal Antibody - Protein Information**Name** PEX7 {ECO:0000303|PubMed:9090383, ECO:0000312|HGNC:HGNC:8860}**Function**

Receptor required for the peroxisomal import of proteins containing a C-terminal PTS2-type peroxisomal targeting signal (PubMed: [11931631](http://www.uniprot.org/citations/11931631), PubMed: [22057399](http://www.uniprot.org/citations/22057399), PubMed: [25538232](http://www.uniprot.org/citations/25538232), PubMed: [9090381](http://www.uniprot.org/citations/9090381)). Specifically binds to cargo proteins containing a PTS2 peroxisomal targeting signal in the cytosol (PubMed: [11931631](http://www.uniprot.org/citations/11931631), PubMed: [22057399](http://www.uniprot.org/citations/22057399), PubMed: [25538232](http://www.uniprot.org/citations/25538232)). Cargo protein-binding triggers interaction with PEX5 and formation of a ternary complex composed of PEX5 and PEX7 along with PTS2-containing cargo proteins, which is translocated into peroxisomes by passing through the PEX13-PEX14 docking complex (PubMed: [11546814](http://www.uniprot.org/citations/11546814), PubMed: [25538232](http://www.uniprot.org/citations/25538232)).

Cellular Location

Cytoplasm, cytosol. Peroxisome matrix. Note=Translocated into the peroxisome matrix together with PTS2-containing cargo proteins and PEX5

Tissue Location

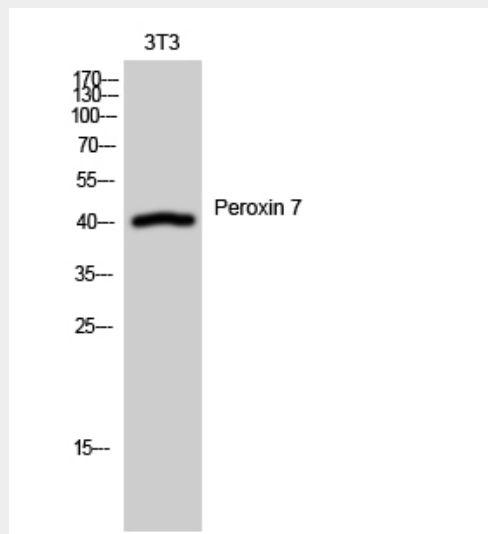
Ubiquitous (PubMed:9090381). Highest expression in pancreas, skeletal muscle and heart (PubMed:9090381)

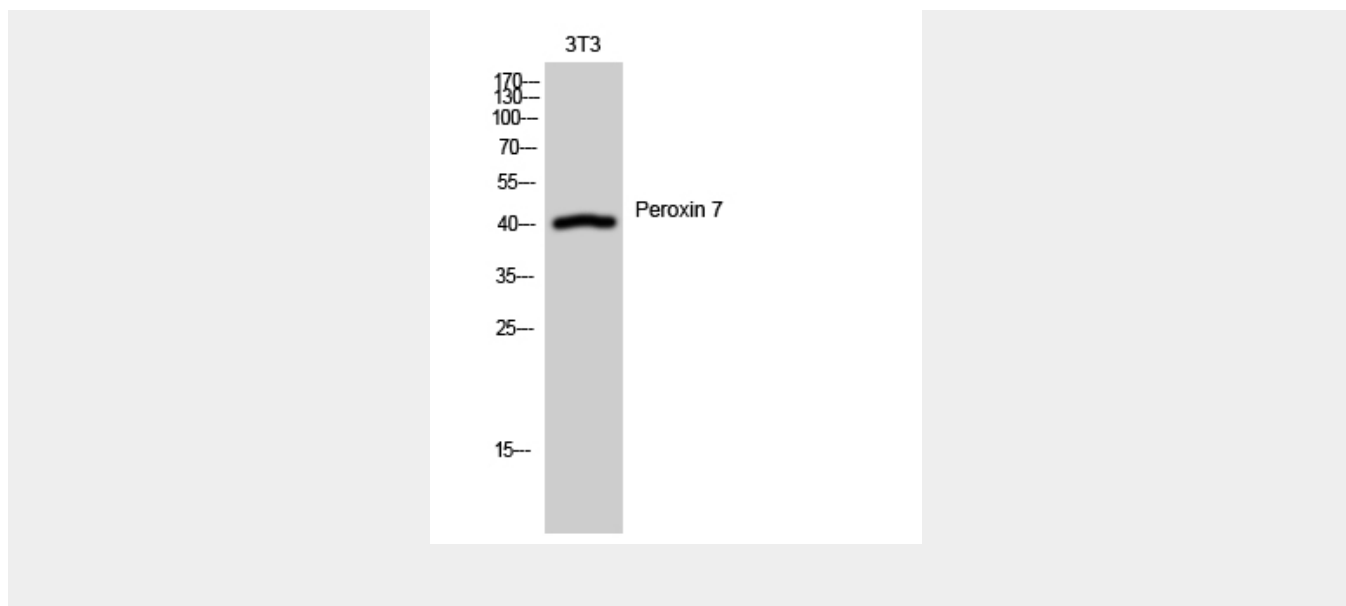
Peroxin 7 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Peroxin 7 Polyclonal Antibody - Images





Peroxin 7 Polyclonal Antibody - Background

Binds to the N-terminal PTS2-type peroxisomal targeting signal and plays an essential role in peroxisomal protein import.