

Peroxin 7 Polyclonal Antibody

Catalog # AP71861

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	O00628
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35892

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. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

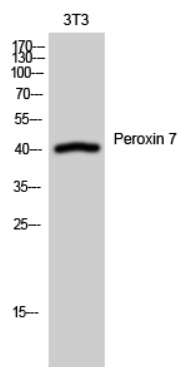
Protein Information

Name	PEX7 {ECO:0000303 PubMed:9090383, ECO:0000312 HGNC:HGNC:8860}
Function	Receptor required for the peroxisomal import of proteins containing an N-terminal PTS2-type peroxisomal targeting signal (PubMed: 11931631 , PubMed: 22057399 , PubMed: 25538232 , PubMed: 9090381 , PubMed: 40739340). Specifically binds to cargo proteins containing a PTS2 peroxisomal targeting signal in the cytosol (PubMed: 11931631 , PubMed: 22057399 , PubMed: 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 , PubMed: 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)

Background

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

Images



Western Blot analysis of 3T3 cells using Peroxin 7 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.