

**PEX7 Antibody (aa204-253)
Rabbit Polyclonal Antibody
Catalog # ALS15511****Specification**

PEX7 Antibody (aa204-253) - Product Information

Application	WB, IHC
Primary Accession	O00628
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36kDa KDa

PEX7 Antibody (aa204-253) - Additional Information**Gene ID** 5191**Other Names**

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

Target/Specificity

PEX7 Antibody detects endogenous levels of total PEX7 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

PEX7 Antibody (aa204-253) is for research use only and not for use in diagnostic or therapeutic procedures.

PEX7 Antibody (aa204-253) - 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:

href="http://www.uniprot.org/citations/11546814" target="_blank">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)

Volume

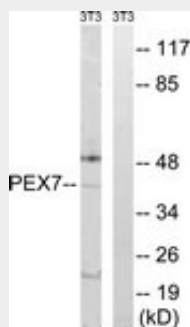
50 μ l

PEX7 Antibody (aa204-253) - Protocols

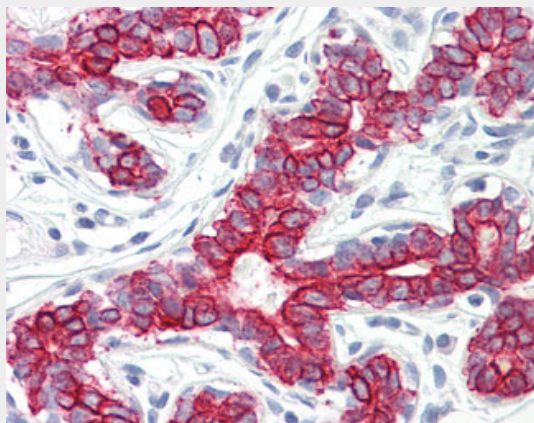
Provided below are standard protocols that you may find useful for product applications.

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

PEX7 Antibody (aa204-253) - Images



Western blot of extracts from NIH-3T3 cells, using PEX7 Antibody.



Anti-PEX7 antibody IHC of human breast.

PEX7 Antibody (aa204-253) - Background

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

PEX7 Antibody (aa204-253) - References

Purdue P.E.,et al.Nat. Genet. 15:381-384(1997).
Braverman N.,et al.Nat. Genet. 15:369-376(1997).
Braverman N.,et al.Genomics 63:181-192(2000).
Mungall A.J.,et al.Nature 425:805-811(2003).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.