

## Datasheet for ABIN6145463 anti-PEX19 antibody (AA 1-299)



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### Overview

Quantity:	100 µL
Target:	PEX19
Binding Specificity:	AA 1-299
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PEX19 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-299 of human PEX19 (NP_002848.1).
Sequence:	MAAAEEGCSV GAEADRELEE LLESALDDFD KAKPSPAPPS TTTAPDASGP QKRSPGDTAK DALFASQEKF FQELFDESLA SQATAEFKA MKELAESEPH LVEQFQKLSE AAGRVGSDMT SQQEFTSCLK ETLSGLAKNA TDLQNSSMSE EELTKAMEGL GMDEGDGEGN ILPIMQSIMQ NLLSKDVLYP SLKEITEKYP EWLQSHRESL PPEQFEKYQE QHSVMCKICE QFEAETPTDS ETTQKARFEM VLDLMQQLQD LGHPPKELAG EMPPGLNFDL DALNLSGPPG ASGEQCLIM
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	PEX19
Alternative Name:	PEX19 ( <a href="#">PEX19 Products</a> )
Background:	<p>This gene is necessary for early peroxisomal biogenesis. It acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs). Peroxisins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. These disorders have at least 14 complementation groups, with more than one phenotype being observed for some complementation groups. Although the clinical features of PBD patients vary, cells from all PBD patients exhibit a defect in the import of one or more classes of peroxisomal matrix proteins into the organelle. Defects in this gene are a cause of Zellweger syndrome (ZWS), as well as peroxisome biogenesis disorder complementation group 14 (PBD-CG14), which is also known as PBD-CGJ. Alternative splicing results in multiple transcript variants.,PEX19,D1S2223E,HK33,PBD12A,PMP1,PMPI,PXF,PXMP1,Signal Transduction,PEX19</p>
Molecular Weight:	29 kDa/32 kDa
Gene ID:	5824
UniProt:	<a href="#">P40855</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

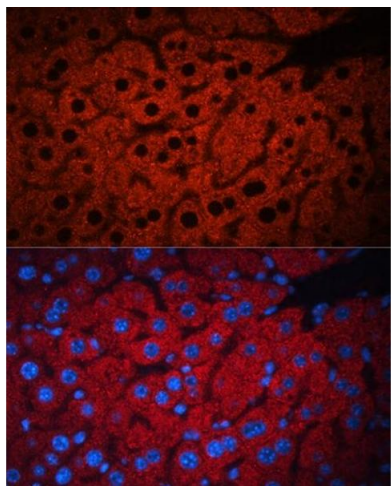
Product cited in:

Wang, Sun, Zhu, Sun, Ma, Wang, Lu, Chen, Xu: "Quantitative proteomic analysis revealed changes in protein synthesis and mitochondrial functions after acute DNA damage in mouse neural stem cells." in: **Neuroscience letters**, Vol. 653, pp. 355-361, (2018) ([PubMed](#)).

Li, Zhang, Chen, Guo, Zhang, Tang, Xu, Zhang, Tao, Wang, Jiang, Sun, Mao: "Impaired DNA double-strand break repair contributes to the age-associated rise of genomic instability in humans." in: **Cell death and differentiation**, Vol. 23, Issue 11, pp. 1765-1777, (2017) ([PubMed](#)).

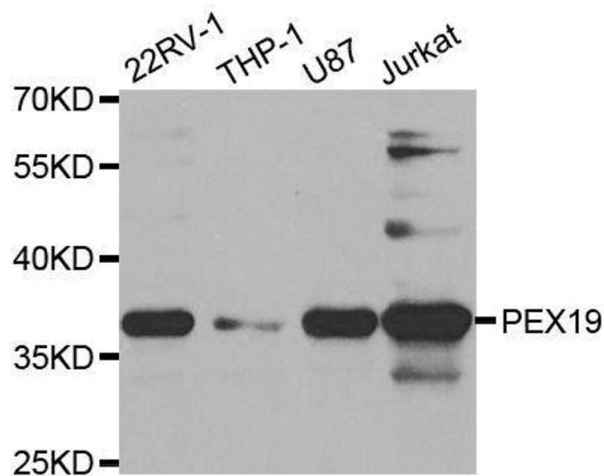
Zhang, Tang, Jiang, Mao: "The transcription factor GATA3 is required for homologous recombination repair by regulating CtIP expression." in: **Oncogene**, Vol. 36, Issue 36, pp. 5168-5176, (2017) ([PubMed](#)).

Images



**Immunofluorescence**

**Image 1.** Immunofluorescence analysis of mouse liver using PEX19 antibody (ABIN6132479, ABIN6145463, ABIN6145464 and ABIN6221140) at dilution of 1:100. Blue: DAPI for nuclear staining.



**Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines, using PEX19 antibody.