

Product datasheet

Anti-PEX19 antibody ab88365

2 Images

Overview

Product name	Anti-PEX19 antibody
Description	Mouse polyclonal to PEX19
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Full length human PEX19 protein (NP_002848.1)
Positive control	Jurkat cell lysate 293T transfected cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.20 Constituent: 2.68% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab88365** in the following tested applications.

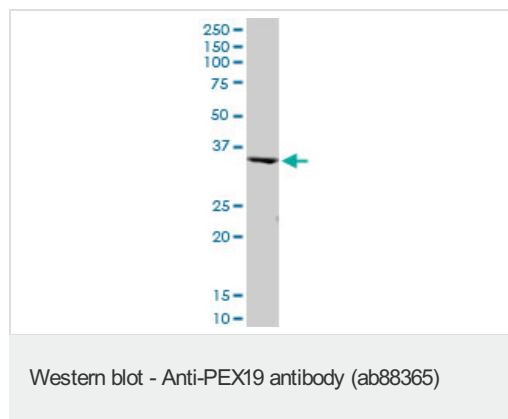
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 33 kDa.

Target

Function	Necessary for early peroxisomal biogenesis. Acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs). Binds and stabilizes newly synthesized PMPs in the cytoplasm by interacting with their hydrophobic membrane-spanning domains, and targets them to the peroxisome membrane by binding to the integral membrane protein PEX3. Excludes CDKN2A from the nucleus and prevents its interaction with MDM2, which results in active degradation of TP53.
Tissue specificity	Ubiquitously expressed. Isoform 1 is strongly predominant in all tissues except in utero where isoform 2 is the main form.
Involvement in disease	<p>Defects in PEX19 are the cause of peroxisome biogenesis disorder complementation group 14 (PBD-CG14) [MIM:600279]; also known as PBD-CGJ. PBD refers to a group of peroxisomal disorders arising from a failure of protein import into the peroxisomal membrane or matrix. The PBD group is comprised of four disorders: Zellweger syndrome (ZWS), neonatal adrenoleukodystrophy (NALD), infantile Refsum disease (IRD), and classical rhizomelic chondrodysplasia punctata (RCDP). ZWS, NALD and IRD are distinct from RCDP and constitute a clinical continuum of overlapping phenotypes known as the Zellweger spectrum. The PBD group is genetically heterogeneous with at least 14 distinct genetic groups as concluded from complementation studies.</p> <p>Defects in PEX19 are a cause of Zellweger syndrome (ZWS) [MIM:214100]. ZWS is a fatal peroxisome biogenesis disorder characterized by dysmorphic facial features, hepatomegaly, ocular abnormalities, renal cysts, hearing impairment, profound psychomotor retardation, severe hypotonia and neonatal seizures. Death occurs within the first year of life.</p>
Sequence similarities	Belongs to the peroxin-19 family.
Cellular localization	Cytoplasm. Peroxisome membrane. Mainly cytoplasmic. Some fraction membrane-associated to the outer surface of peroxisomes.

Images

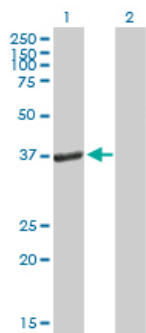


Anti-PEX19 antibody (ab88365) at 1 μ g/ml + Jurkat cell lysate at 50 μ g

Secondary

Goat anti-mouse IgG at 1/5000 dilution

Predicted band size: 33 kDa



Western blot - Anti-PEX19 antibody (ab88365)

All lanes : Anti-PEX19 antibody (ab88365) at 1 µg/ml

Lane 1 : PEX19 transfected 293T cell lysate

Lane 2 : Untransfected 293T cell lysate

Lysates/proteins at 50 µg per lane.

Secondary

All lanes : Goat anti mouse IgG at 1/5000 dilution

Predicted band size: 33 kDa

Observed band size: 33 kDa

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