


Product datasheet

Anti-PEX14 antibody ab113286

1 Image

Overview

<b>Product name</b>	Anti-PEX14 antibody
<b>Description</b>	Rabbit polyclonal to PEX14
<b>Tested applications</b>	<b>Suitable for:</b> IP <b>Unsuitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
<b>Immunogen</b>	Synthetic peptide corresponding to a region within amino acids 250-300 of Human PEX14 (NP_004556.1).
<b>Positive control</b>	HeLa whole cell lysate

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate Note: pH range: 7 to 8
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab113286** in the following tested applications.

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

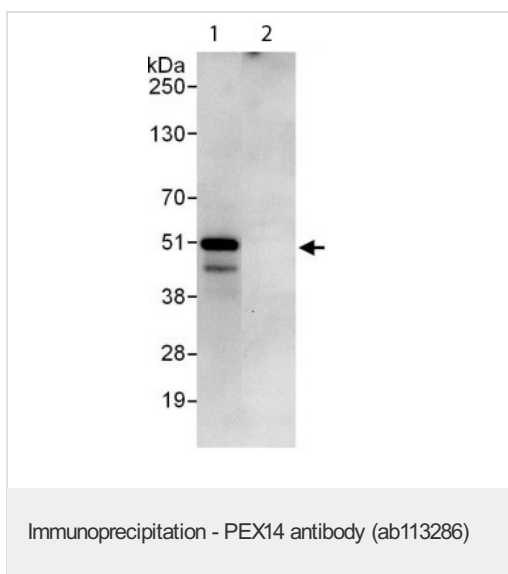
Application	Abreviews	Notes
IP		Use at 2-5 µg/mg of lysate.

**Application notes**                      Is unsuitable for WB.

## Target

<b>Function</b>	Component of the peroxisomal translocation machinery with PEX13 and PEX17. Interacts with both the PTS1 and PTS2 receptors. Binds directly to PEX17.
<b>Involvement in disease</b>	<p>Defects in PEX14 are the cause of peroxisome biogenesis disorder complementation group K (PBD-CGK) [MIM:601791]. PBD-CGK is a peroxisomal disorder arising from a failure of protein import into the peroxisomal membrane or matrix. The peroxisome biogenesis disorders (PBD group) are genetically heterogeneous with at least 14 distinct genetic groups as concluded from complementation studies. Include disorders are: 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 (PBD-ZSS).</p> <p>Defects in PEX14 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>
<b>Sequence similarities</b>	Belongs to the peroxin-14 family.
<b>Cellular localization</b>	Peroxisome membrane.

## Anti-PEX14 antibody images



Staining of PEX14 in HeLa whole cell lysate immunoprecipitated using ab113286 at 6 µg/mg lysate (1 mg/IP; 20% of IP loaded/lane). Lane 2: control IgG. Predicted band size : 41 kDa. Exposure time: 10 seconds.

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